ANIRUDDHA BELSARE

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EDUCATION

2008 - 2013 Ph.D., Wildlife Science (focus on Disease Ecology), University of

Missouri, Columbia, Missouri, USA (with Dr. Matthew Gompper). *Dissertation title:* Disease ecology of free-ranging dogs in central India:

Implications for wildlife conservation.

1991-1996 B.V.Sc. & A.H. (Bachelor of Veterinary Science & Animal Husbandry),

Bombay Veterinary College, India.

Short courses

2018 Winter School on Agent-based Modeling of Social-Ecological Systems,

Arizona State University, Tempe, Arizona.

2016 Individual-based (agent-based) modeling at Humboldt State University,

Arcata, California.

2015 Designing courses for significant learning. Dee Fink and Associates.

2015 Introduction to Outreach. #SciFund Challenge.

2015 Preparing Future Faculty, Fall 2015 & Spring 2016. University of

Missouri, Columbia.

2015 Entering Mentoring workshop series, Spring 2015. University of

Missouri, Columbia.

RESEARCH EXPERIENCE

2021 - current Computational Ecologist, Civitello Lab, Department of Biology, Emory

College of Arts and Sciences, Emory University, Atlanta, GA. I am developing individual-based models to better understand the complex dynamics of two disease systems: 1) human schistosomiasis (a neglected tropical disease and a major public health concern) and 2) chytridiomycosis (an emerging, globally spreading infectious disease of amphibians and a serious conservation concern). The models will

support the design of effective disease mitigation strategies.

2019 - 2021 Research Associate, Boone & Crockett Quantitative Wildlife Center,

Michigan State University, East Lansing, MI. I have developed new, high-level quantitative tools that provide decision support while addressing the challenges of wildlife conservation. Specific focus was

on applying population and epidemiological models to assess how harvest strategies impact chronic wasting disease spread and

persistence in regional white-tailed deer populations.

RESEARCH EXPERIENCE (continued)

2017 - 2019	Postdoctoral Fellow, Center for Modeling Complex Interactions, University of Idaho, Moscow ID, USA. Leader, OneHealth Working Group: Collaborative research with a focus on host-pathogen systems of public health or conservation concern. a) Canine rabies project (with Dr. Craig Miller, CMCI), b) Leptospirosis modeling project (with Dr. Claudia Munoz-Zanzi, University of Minnesota), and c) Raccoon roundworm management project (with Dr. Matt Gompper, University of Missouri).
	Collaborator & Modeler, Modeling Access Grant Project: Bighorn sheep pneumonia modeling project (with Dr. Ryan Long & Dr. Frances Cassirer).
	Collaborator, Modeling Access Grant Project: Modeling Stem Cell Behavior for Advancing Novel Tendon Therapies.
	Collaborator, Tiger territorial dynamics modeling project (with Dr. Neil Carter, Boise State University; Sep 2017-May 2018).
2014 - 2017	Postdoctoral Fellow, School of Natural Resources, University of Missouri, Columbia, USA. My work focused on the analysis of wildlife diseases in the state of Missouri. I developed models to understand the spread of chronic wasting disease in white-tailed deer in Missouri and provide a framework for designing effective surveillance strategy.
2008 - 2013	Ph.D., Department of Fisheries and Wildlife Sciences, University of Missouri, Columbia, USA. My dissertation research combined ecologic, epidemiologic and model-based investigations to study the disease ecology of free-ranging dogs around a protected area in central India. Specifically, I examined the local and global implications of dog diseases and disease control measures for wildlife conservation.
2007 - 2009	Indo-Norwegian project on wildlife-human conflict. Rabies as a driver of Human-Wolf conflict and the role of free ranging domestic dogs as carriers of the disease. Maharashtra, India.
2006 - 2007	University of Missouri, Columbia and Rufford Small Grants. Fox ecology project and survey of disease prevalence in free-ranging domestic dogs and possible spillover risk for wildlife.
2004 - 2006	Maharashtra Forest Department and Wildlife Trust of India, New Delhi. Helping the Maharashtra State Forest Department to rescue or treat endangered wild carnivores. http://www.projectwaghoba.in/docs/athreya_rap2004_final_report.pdf
2003	Ecollage, Pune and Wildlife Protection Society of India, New Delhi. Study of the man-leopard conflict in the Junnar Forest Division, Pune District, Maharashtra. http://www.projectwaghoba.in/docs/junnar_conflict_report_athreya_et_2004_condensed.pdf

VETERINARY PROFESSIONAL EXPERIENCE

2015	Expert Veterinarian, King Cobra Telemetry Project, Central Kalimantan, Indonesia. Surgically implanted radio-transmitters in two Sumatran Spitting cobras (<i>Naja sumatrana</i>) and one Reticulated Python (<i>Python reticulatus</i>) (supported by Copenhagen Zoo, Denmark).
2009 - 2010	Curricular Practical Training: After Hours Clinical Crew, Veterinary Medical Teaching Hospital, University of Missouri, Columbia, Missouri, USA.
2001 - 2012	Veterinary Consultant, Maharashtra Forest Department. Provided veterinary support during wildlife emergencies, rescue and treatment of wild animals and birds.
1999 - 2008	Veterinary Practitioner. Owner of private clinic in Pune, India. Medical and surgical treatment of pets (dogs, cats and birds) and livestock in and around Pune city.
2008	Consultant Veterinary Surgeon, King Cobra Telemetry Project, National Geographic Society and Agumbe Rainforest Research Station (with Romulus Whitaker and Matt Goode).
2005 - 2008	Veterinary Consultant, Madras Crocodile Bank Trust, Chennai, India.
2001 - 2004	Veterinary Officer, Rajiv Gandhi Zoological Park & Wildlife Research Center, Pune. Healthcare and management of zoo animals were two main responsibilities. I implemented controlled breeding program' in prolifically breeding species using MGA implants, and also started using transponder microchips for better management of zoo animals.
1996 - 2001	Consultant Veterinarian, Wild Animal Orphanage & Pune Snake Park.

TEACHING AND MENTORING EXPERIENCE

Teaching

Michigan State University

2019, 2020 Guest lecturer, Wildlife Disease Ecology (FW463).

Guest lecturer, Wildlife Disease Ecology and Management Veterinary

Clerkship (MSU LCS 610).

University of Idaho

2017-2019 Guest lecturer, Ecology of Terrestrial Vertebrates (WLF314).

Guest lecturer, Wildlife Management (WLF492).

University of Missouri

2016, 2014 (Fall) Instructor, Wildlife Disease Ecology (FW 4810/7810): I co-taught this

undergraduate/graduate-level course with Dr. Matthew Gompper.

2016 (Spring) Instructor, Animal Population Dynamics and Management (FW

4500/7500).

2012 - 2014 Instructor, General Biology Laboratory (BIO 1020): Fall 2012, Spring

2013 and Fall 2013, Fall 2014.

2010 (Spring) Teaching Assistant, Introductory Zoology with Laboratory (FW 1100).

TEACHING AND MENTORING EXPERIENCE (continued)

State Forest Departments, India

2005 - 2006 Designed and taught short courses in chemical immobilization of wild

animals for forest department personnel and veterinarians from seven

states in India. Rufford Small Grants funded this project.

Maharashtra Forest Department, India

2003 - 2004 Trained five emergency response teams (Maharashtra Forest

Department personnel) to better manage human-leopard conflict.

Mentoring

Purdue University

2021 - Serving on the dissertation committee of Jonathan Brooks (Ph.D.

candidate, Department of Forestry and Natural Resources).

2019 Served on the dissertation committee of Jacob Peterson (Ph.D.

candidate, Department of Forestry and Natural Resources).

University of Minnesota

2015 - 2016 Advised Meghan Mason, a Ph.D. candidate in the School of Public

Health, on her agent-based modeling work. I continue to work with her

on the Leptospirosis modeling project.

University of Missouri

2015 Lucy Mills, graduate student in Department of Agricultural Economics.

Agent-based model of collective entrepreneurship.

2014 Anna Maness, undergraduate student in Fisheries and Wildlife

Science. Raccoon roundworm project.

GRANTS, FELLOWSHIPS AND AWARDS

2020 - 2023 Project Partner, IndiaZooRisk+: Using OneHealth approaches to

understand and co-develop interventions for zoonotic diseases affecting forest communities in India. UK Research and Innovation & Global Challenges Research Fund Health and Context Call 2019 (PI

Beth Purse).

2019 - 2021 Co-Principal Investigator, Optimizing CWD Surveillance: Regional

synthesis of demographic, spatial and transmission-risk factors. Michigan Department of Natural Resources and Michigan State University Joint Wildlife Disease Initiative (\$241,094, PI Krysten

Schuler).

2018 Project Director, Canine rabies genome sequencing project. Sudden

Opportunity Grant (CMCI, University of Idaho) (\$18000).

2016 - 2021 Co-Principal Investigator, 'Bringing "OneHealth" to rabies research in

India: integrating animal ecology, disease ecology, and human health'.

Wellcome Trust/ DBT India Alliance Fellowship (\$35,000, PI Abi

Vanak).

GRANTS, FELLOWSHIPS AND AWARDS (continued)

Annual Research and Creative Activities Forum, Graduate Professional Council, University of Missouri. 2 nd place (2013) and 1 st place (2010) in Veterinary Medicine/Medicine/Health Sciences.
Conservation Biology Fellowship, University of Missouri (\$3000).
G. Ellsworth Huggins Scholarship, University of Missouri (\$29500 per year).
Rufford Small Grant for Nature Conservation (£ 5000); co-investigator for project titled 'Survey of disease prevalence in free-ranging domestic dogs around the Great Indian Bustard Sanctuary, India (with A. T. Vanak).
Rufford Small Grant for Nature Conservation (£ 5000) for project titled 'Standardization of procedures required for dealing with wildlife emergencies by training veterinarians and Forest Department personnel in states with high human-wildlife conflicts in India'.

PUBLICATIONS

- 1. <u>Belsare, A. V.</u>, Millspaugh, J.J., Mason, J.R., Sumners, J., Viljugrein, H., and Mysterud, A. (2021). Getting in front of chronic wasting disease: Model-informed proactive approach for managing an emerging wildlife disease. *Frontiers in Veterinary Science*, 7, 1154. doi: 10.3389/fvets.2020.608235
- 2. <u>Belsare, A. V.</u>, & Vanak, A. T. (2020). Modelling the challenges of managing free-ranging dog populations. *Scientific Reports*, 10(1). doi:10.1038/s41598-020-75828-6
- 3. <u>Belsare, A. V.</u>, & Stewart, C. M. (2020). OvCWD: An agent-based modeling framework for informing chronic wasting disease management in white-tailed deer populations. *Ecological Solutions and Evidence*, 1(1), e12017. doi:10.1002/2688-8319.12017
- Belsare, A. V., Gompper, M. E., Keller, B., Sumners, J., Hansen, L. P., & Millspaugh, J. J. (2020). Size matters: Sample size assessments for chronic wasting disease surveillance using an agent-based modeling framework. *MethodsX*, 7, 100953. doi: https://doi.org/10.1016/j.mex.2020.100953
- Belsare, A. V., Gompper, M. E., Keller, B., Sumners, J. A., Hansen, L. P., & Millspaugh, J. J. (2020). An agent-based framework for improving wildlife disease surveillance: A case study of chronic wasting disease in Missouri white-tailed deer. *Ecological Modelling*, 417, 108919. doi:10.1016/j.ecolmodel.2019.108919 (*F1000Prime Recommended Article*).
- 6. Al-Warid, H. S., <u>Belsare, A. V.</u>, Straka, K., Gompper, M. E., & Eggert, L. S. (2018). Genetic polymorphism of *Baylisascaris procyonis* in host infrapopulations and component populations in the Central USA. *Parasitology International*, 67(4), 392–396. doi: 10.1016/j.parint.2018.03.005
- 7. Richardson, D. J., Leveille, A., <u>Belsare, A. V.</u>, Al-Warid, H. S., & Gompper, M. E. (2017). Geographic Distribution Records of *Macracanthorhynchus ingens* (Archiacanthocephala: Oligacanthorhynchidae) from the Raccoon, Procyon lotor in North America. *Journal of the Arkansas Academy of Science*, 71(1), 203–205.
- 8. Al-Warid, H. S., <u>Belsare, A. V.</u>, Straka, K., & Gompper, M. E. (2017). *Baylisascaris procyonis* roundworm infection patterns in raccoons (*Procyon lotor*) from Missouri and Arkansas, USA. *Helminthologia*, 54(2), 113–118. doi:10.1515/helm-2017-0011

PUBLICATIONS (continued)

- 9. <u>Belsare, A. V.</u>, & Gompper, M. E. (2015). To vaccinate or not to vaccinate: Lessons learned from an experimental mass vaccination of free-ranging dog populations. *Animal Conservation*, 18(3), 219–227. doi:10.1111/acv.12162 (*Highlighted article*)
- 10. <u>Belsare, A. V.</u>, & Gompper, M. E. (2015). A model-based approach for investigation and mitigation of disease spillover risks to wildlife: Dogs, foxes and canine distemper in central India. *Ecological Modelling*, 296, 102–112. doi: 10.1016/j.ecolmodel.2014.10.031
- 11. Vanak, A. T., <u>Belsare, A. V.</u>, Uniyal, M., & Ali, R. (2014). Science in the doghouse. *Current Science*, 107(3), 341–342.
- 12. <u>Belsare, A. V.</u>, Vanak, A. T., & Gompper, M. E. (2014). Epidemiology of viral pathogens of free-ranging dogs and Indian foxes in a human-dominated landscape in central India. *Transboundary and Emerging Diseases*, 61(SUPPL1.), 78–86. doi:10.1111/tbed.12265
- 13. <u>Belsare, A. V.</u>, & Vanak, A. T. (2013). Use of Xylazine Hydrochloride–Ketamine Hydrochloride for immobilization of Indian fox (*Vulpes bengalensis*) in field situations. *Journal of Zoo and Wildlife Medicine*, 44(3), 753–755. doi:10.1638/2012-0158r.1
- 14. <u>Belsare, A. V.</u>, & Gompper, M. E. (2013). Assessing demographic and epidemiologic parameters of rural dog populations in India during mass vaccination campaigns. *Preventive Veterinary Medicine*, 111(1–2), 139–146. doi: 10.1016/j.prevetmed.2013.04.003
- Belsare, A. V., & Athreya, V. R. (2010). Use of Xylazine hydrochloride-Ketamine hydrochloride for immobilization of wild leopards (*Panthera pardus fusca*) in emergency situations. *Journal of Zoo and Wildlife Medicine*, 41(2), 331–333. doi:10.1638/2009-0072R1.1
- 16. Athreya, V. R., & <u>Belsare, A. V</u>. (2008). Morphometry of leopards from Maharashtra, India. <u>Cat News</u>, 48 (Spring).
- 17. Athreya, V. R., Thakur, S. S., Chaudhuri, S., & <u>Belsare, A. V</u>. (2007). Leopards in human-dominated areas: a spillover from sustained translocations into nearby forests? Journal of the Bombay Natural History Society, 104(1), 45–50.
- 18. <u>Belsare, A. V.</u>, Athreya, V. R., Thakur, S. S., & Chaudhuri, S. (2004). Life-long Identification Microchips in Leopards Caught in Conflict Areas in Maharashtra, India. *Cat News*, 41 (Autumn), 10–11.
- 19. Umrigar, K. D., & <u>Belsare, A. V</u>. (2003). Contraception in a Blackbuck (*Antilope cervicapra*) using melengesterol acetate. *Zoos' Print Journal*, 18(6), 1129. doi: 10.11609/jott.zpj.18.6.1129

Code and data:

- 1. <u>Belsare, Aniruddha</u>; Vanak, Abi (2020, August 01). "DOGPOPDY: ABM for ABC planning" (Version 1.0.0). CoMSES Computational Model Library. Retrieved from: https://doi.org/10.25937/9nge-4s45
- 2. <u>Belsare, Aniruddha</u> (2020, April 13). "MI OvPOPsurveillance" (version 1.0.0). *CoMSES Computational Model Library*. Retrieved from: https://doi.org/10.25937/fdke-rp28
- 3. <u>Belsare, Aniruddha</u> (2019, December 13). "MI*Ov*CWD" (Version 1.0.0). *CoMSES Computational Model Library*. Retrieved from: https://doi.org/10.25937/6geg-1c13
- 4. <u>Belsare, Aniruddha, Long, Ryan, Cassirer, E Frances (2019, November 05). "BHSPopDy (Bighorn sheep population dynamics)" (Version 1.2.0). CoMSES Computational Model Library. Retrieved from: https://doi.org/10.25937/a7fz-tw30</u>

PUBLICATIONS (continued)

- 5. <u>Belsare, Aniruddha</u> (2019, September 18). "MI*Ov*POP" (version 1.1.0). *CoMSES Computational Model Library*. Retrieved from: https://doi.org/10.25937/kv07-3e08
- Belsare, Aniruddha, (2019, August 9). anyadoc/FranklinCWDsurveillance_Rcode: ABM framework output for Franklin County & R code for analysis (Version v.1.0.0). Zenodo. http://doi.org/10.5281/zenodo.3364607
- 7. <u>Belsare, Aniruddha, Gompper, Matthew, Millspaugh, Joshua J (2019, August 08).</u> "MO OvPOP" (Version 2.1.2). *CoMSES Computational Model Library*. Retrieved from: https://doi.org/10.25937/cnex-s628
- 8. <u>Belsare, Aniruddha, Gompper, Matthew, Millspaugh, Joshua J (2019, August 08).</u> "MO OvPOPsurveillance" (Version 2.1.2). *CoMSES Computational Model Library.* Retrieved from: https://doi.org/10.25937/8hpz-9y96
- Belsare, Aniruddha, Mason, Meghan, Gompper, Matthew, Munoz-Zanzi, Claudia (2019, March 12). "MHMSLeptoDy (Multi-host, multi-serovar Leptospira Dynamics Model)" (Version 1.1.2). CoMSES Computational Model Library. Retrieved from: https://www.comses.net/codebases/26380987-f7d4-4027-8390-9e608203ee8d/releases/1.1.2/
- Belsare, Aniruddha, Gompper, Matthew (2017, April 04). "DogFoxCDVspillover" (Version 1.1.0). CoMSES Computational Model Library. Retrieved from: https://doi.org/10.25937/167q-wr96

Manuscripts in preparation (available upon request)

- 1. Owen, J.C., Landwerlen, H., Dupuis, A., <u>Belsare, A.</u>, Kramer, L., and Ciota, A. West Nile virus in birds: unpredictable loss of food can intensify disease outbreaks.
- 2. <u>Belsare, A.V.</u>, Mason, M., Gompper, M.E., and Munoz-Zanzi, C. Transmission dynamics of Leptospirosis in impoverished high-density communities: An agent-based model incorporating humans, rodents, dogs and the environment.
- 3. Gompper, M.E. and <u>Belsare, A.V</u>. Intraguild predation benefits the killing species in communities with shared pathogens.
- 4. <u>Belsare, A.V.</u> Hematologic and serum biochemistry reference values of wild-caught leopards (Panthera pardus fusca) from Maharashtra, India.

Reports, popular articles, and unpublished materials

- Belsare, A.V. 2020. Nebulizer therapy with isotonic saline to decrease aerosol transmission of SARS-CoV-2. eLetter in response to Prather, K. A. et al. "Reducing transmission of SARS-CoV-2" published in *Science*.
 https://science.sciencemag.org/content/early/2020/06/08/science.abc6197/tab-e-letters
- Singh, M., I. Malik, W. Dittus, A. Sinha, <u>A. Belsare</u>, S. Walker, S. Molur, B. Wright, J. Lenin & S. Chaudhuri (2019). Action plan for the control of commensal, non-Human primates in public places. Submitted to the Ministry of Environment & Forests, Government of India in 2005. *Zoo's Print* 34(11): 1–13.
- 3. Vanak, A.T. & Belsare, A.V. The street is no place for dogs. *The Hindu*, 3 October 2016.
- 4. <u>Belsare, A.V.</u> 2013. Diseases of free-ranging dogs: Implications for wildlife conservation in India. *Current Conservation* 7 (4): 3-12.
- 5. <u>Belsare, A.V.</u> 2012. To Dart or Not To Dart- Demystifying Wild Animal Immobilization. *Conservation India*. (http://www.conservationindia.org/resources/opinion/to-dart-or-not-to-dart-demystifying-wild-animal-immobilization)

PUBLICATIONS (continued)

- 6. Belsare, A.V. 2011. Rabies: a neglected killer. Current Conservation 5 (2): 19-21.
- 7. Vanak, A.T., Belsare, A.V. and Gompper, M.E. 2007. Survey of disease prevalence in free-ranging domestic dogs and possible spillover risk for wildlife. Report submitted to the Rufford Small Grants Foundation, UK. Pp 1-13.
- 8. Athreya, V.R. and Belsare, A.V. 2007. Human-leopard conflict management guidelines. Kaati Trust, Pune, India. (www.projectwaghoba.in/docs/human leopard conflict management guidelines english.pdf)
- 9. Belsare, A.V. 2007. An Autobiography (of a leopard). Balbharati Standard 6 textbook: Maharashtra State Bureau of Textbook Production and Curriculum Research. Pune. Pp. 88-94. (https://osf.io/d8t4b)
- 10. Athreya, V.R. and Belsare, A.V. 2005. Helping the Maharashtra Forest Department rescue or treat endangered wild carnivores. Report submitted to the Wildlife Trust of India, New Delhi and the Office of the Chief Wildlife Warden, Maharashtra.
- 11. Athreya, V.R., Thakur, S.S., Chaudhuri, S., and Belsare, A.V. 2004. A study of manleopard conflict in the Junnar forest division, Pune district, Maharashtra. Report submitted to the Office of the Chief Wildlife Warden, Maharashtra State Forest Department, and the Wildlife Protection Society of India, New Delhi, India.

ABSTRACTS AND MEETING PRESENTATIONS

2020	ZeroBy30? Challenges to eliminating Rabies in India. Poster presented at the World One Health Congress. Oct 30 – Nov3, 2020. (with Abi Vanak, A. Kulkarni, A. Kumar, S. Sapre, N. Panchamiya, I. Banerjee).
2020	Decision support tool for CWD management. The Natural Resources Commission, Michigan. June 3, 2020.
2020	Modeling effects of deer harvest regulations on CWD. Fish and Wildlife Health Committee, Association of Fish and Wildlife Agencies. North American Wildlife and Natural Resources Conference. March 12, 2020. Omaha, Nebraska.
2020	Model-informed CWD Management. Science and Research Committee, Association of Fish and Wildlife Agencies. North American Wildlife and Natural Resources Conference. March 11, 2020. Omaha, Nebraska.
2019	Model-informed strategies for chronic wasting disease management. The Wildlife Society & American Fisheries Society 2019 Joint Annual Conference. September 29 – October 3, 2019. Reno, Nevada.
2017	Size matters: sample size calculations for harvest-based wildlife disease surveillance using an agent-based framework. 24 th Annual Conference of The Wildlife Society. September 2017. Albuquerque, New Mexico.
2017	Raccoon roundworm intensity distributions across hosts and modeled implications for population management. 24 th Annual Conference of The Wildlife Society. September 2017. Albuquerque, New Mexico. (with Dr. Matthew Gompper).

ABSTRACTS AND MEETING PRESENTATIONS (continued)

2017 Host biodiversity and tick-borne disease: Implications for temperate

agroforestry (J.R. Falco, A.V. Belsare, M.E. Gompper, S. Jose). 15th North American Agroforestry Conference. June 2017. Blacksburg,

Virginia.

2017 A model-based framework for improving chronic wasting disease

surveillance in white-tailed deer populations of Missouri. 40th Annual meeting of the Southeast Deer Study Group. February 2017, St.

Louis, Missouri.

ABM for CWD: An adaptive disease management strategy. 38th Annual

Midwest Deer & Wild Turkey Study Group Meeting. September 2014.

Potosi, Missouri.

2010 A potential model framework to investigate disease progression. In:

2010 White-nose Syndrome Symposium: May 2010, Pittsburgh,

Pennsylvania. U.S. Fish and Wildlife Service.

2007 Capacity building of wildlife managers in dealing with wildlife

emergencies. Poster presented in the Annual Meeting of the Society

for Conservation Biology, Port Elizabeth, South Africa.

MEMBERSHIPS AND PROFESSIONAL ACTIVITIES

Memberships

2020 - current Wildlife Disease Association

2017 - current The Wildlife Society

2017 - current Full member & reviewer, CoMSES Net (Network for Computational

Modeling in Social and Ecological Sciences).

2016 - current Certified EpiCore member. EpiCore is a community of health

professionals around the world, providing expertise to verify suspected

or rumored disease outbreaks.

1996 - current Registered with the Maharashtra State Veterinary Council (Constituted

under Indian Veterinary Council Act, 1984).

Associate Editor / Subject Editor

2016, 2017 Oecologia Australis

2014 - current Journal of Threatened Taxa

Manuscript reviewer https://publons.com/a/340221

Acta Theriologica, African Journal of Ecology, Animal Conservation, BMC Veterinary Research, Bulletin of the World Health Organization, Conservation Science and Practice, Current Science, Ecological Modelling, Frontiers in Veterinary Science, Heliyon, Journal of the American Veterinary Medical Association, Journal of Applied Ecology, Journal of Parasitology, Journal of Threatened Taxa, Journal of Wildlife Diseases, Journal of Wildlife Management, Mammal Research, Preventive Veterinary Medicine, PLOS One, Polar Research, Scientific Reports, Transboundary and Emerging Diseases, Vaccine, Veterinary Medicine & Science, Veterinary Parasitology, Urban Ecosystems.

MEMBERSHIPS AND PROFESSIONAL ACTIVITIES (continued)

Meetings / Workshops attended

2020	North American Wildlife and Natural Resources Conference. March 11, 2020. Omaha, Nebraska.
2019	The Wildlife Society & American Fisheries Society 2019 Joint Annual Conference. 29 September – 3 October 2019. Reno, Nevada.
2017	24 th Annual Conference of The Wildlife Society. 23 – 27 September 2017. Albuquerque, New Mexico.
2017	40 th Annual meeting of the Southeast Deer Study Group. 27 February – 1 March 2017. St. Louis, Missouri.
2014	38^{th} Annual Midwest Deer & Wild Turkey Study Group Meeting. 9 – 12 September 2014. Potosi, Missouri.
2014	Ecology and Evolution of Infectious Disease, 2 – 4 June 2014. 12 th Annual Conference at Colorado State University, Fort Collins, Colorado.
2010	White-nose Syndrome Symposium: 25 – 27 May 2010, Pittsburgh, Pennsylvania.
2007	21^{st} Annual Meeting of the Society for Conservation Biology. 1 – 5 July 2007. Port Elizabeth, South Africa.