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MATTHEW E. GOMPPER
ABBREVIATED CURRICULUM VITAE

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EDUCATION AND ACADEMIC POSITIONS

2019-current	Professor and Department Head, Department of Fish, Wildlife and Conservation Ecology, New Mexico State University
2019-current	Adjunct Professor, School of Natural Resources, University of Missouri
2017-current	Adjunct Professor, Department of Forestry and Environmental Conservation, Clemson University
2017-2019	William James Rucker Professor, School of Natural Resources, University of Missouri
2011-2016	Professor, School of Natural Resources, University of Missouri
2015-2019	Director of Graduate Studies / Emphasis Area Coordinator, Department of / Emphasis Area in Fisheries and Wildlife Science, University of Missouri
2012-2019	Director, Program in Conservation Biology, University of Missouri
2005-2019	Curator of Birds and Mammals, University of Missouri Museum of Zoology
2006-2011	Associate Professor, Department of Fisheries and Wildlife Science, University of Missouri
2002-2006	Assistant Professor, Department of Fisheries and Wildlife Science, University of Missouri
1998-2006	Research Associate, Wildlife Conservation Society, Bronx, New York
2002-2006	Adjunct Professor, Department of Ecology, Evolution and Environmental Biology, Columbia University
1998-2001	Assistant Professor, Center for Environmental Research and Conservation, Department of Ecology, Evolution and Environmental Biology and Department of Earth and Environmental Science, Columbia University, New York
1995-2000	Adjunct Assistant Professor, Department of Environmental and Resource Sciences, University of Nevada, Reno
1997	Instructor, Science Department, Truckee Meadows Community College,

Reno, Nevada

- 1995-1998 Postdoctoral Researcher, Program in Ecology, Evolution and Conservation Biology, University of Nevada, Reno (with Dr. Joel Berger)
- 1994-1995 Postdoctoral Researcher, Department of Biology, University of California, Los Angeles (with Dr. Robert Wayne)
- 1992-1993 Smithsonian Institution Predoctoral Fellow
- 1991-1992 Fulbright Foundation Fellow, Smithsonian Tropical Research Institute, Republic of Panama
- 1988-1994 Ph.D., Life Sciences, University of Tennessee, Knoxville, TN. (with Dr. John Gittleman). *Dissertation title:* The Importance of Ecology, Behavior, and Genetics in the Maintenance of Coati (*Nasua narica*) Social Structure.
- 1982-1985 B.A., Biology, University of Virginia, Charlottesville, VA.

NOTABLE RECENT PROFESSIONAL RECOGNITIONS AND EDITORIAL APPOINTMENTS

- 2017 Named William James Rucker Professor, University of Missouri.
- 2015 Nomination of *Free-ranging Dogs and Wildlife Conservation* as a 2015 Outstanding Publication by The Wildlife Society Publication Awards Committee
- 2014 MOAFS Letter of Recognition, Missouri Chapter of the American Fisheries Society, in recognition of the Brook Trout Evaluation Project.
- 2012 Keynote Speaker, XXV Semana de la Investigacion Escolar "Dr. J. Felix Frias Sanchez" y X Jornadas de las Ciencias Biologicas, Universidad Autonoma del Estado de Morelos, Cuernavaca, Morelos, Mexico
- 2010-2016 Associate Editor, *Mammal Research* (formerly *Acta Theriologica*)
- 2009-2012 Associate Editor, *Journal of Wildlife Management*
- 2008-2015 Senior Editor, *Animal Conservation*

NOTABLE INTERNAL ACADEMIC ADMINISTRATIVE AND SERVICE ROLES

- 2019-current *Department Head*, Department of Fish, Wildlife and Conservation Ecology, New Mexico State University
- The Department of Fish, Wildlife and Conservation Ecology at New Mexico State University is one of the academic field's premier programs in the Southwestern US. As of early-2022 the department comprises 11 faculty, 3 staff, 7 post-docs and affiliate faculty, and approximately 40 graduate students and 160 undergraduates.
- 2015-2019 *Director of Graduate Studies (Emphasis Area Coordinator)*, Department of Fisheries & Wildlife Science (Graduate Emphasis Area in Fisheries & Wildlife Sciences), School of Natural Resources, University of Missouri
- In 2016 the Department of Fisheries and Wildlife Sciences merged with three other departments within the School of Natural Resources, and Directors of Graduate Studies for these departments transitioned to Graduate Program Emphasis Area

Coordinators. For Fisheries & Wildlife Sciences, both roles involve oversight of all aspects of a graduate program of about 40 MS and PhD students, from admissions to graduation.

2012-2019 *Program Director*, University of Missouri Interdisciplinary Graduate Program in Conservation Biology

The Conservation Biology program at the University of Missouri is an interdisciplinary community of students, faculty, and conservation professionals. The program oversees a graduate certificate curriculum program, and organizes a reading group and a seminar series. Graduate students who pursue the certificate enroll in courses in the areas of natural science, social science, and techniques, and complete an internship. In doing so, the certificate program helps prepare graduate students to be future leaders in research and outreach in conservation-related fields.

2001-2019 *Program Director*, Mizzou Tigers for Tigers, University of Missouri

The Mizzou Tigers for Tigers (MT4T) program is designed to use the University of Missouri's mascot as a tool to provide non-traditional training opportunities for students, and to enhance the University of Missouri's stature in Asian countries that maintain tiger populations. At the student level, the group acts quasi-independently to provide experience with the structure and function of a small NGO. At the university administrative level, the program provides students with travel and leadership opportunities, brings speakers to the university, supports research in tiger-range countries, and through outreach activities regionally and internationally, enhances ties between the university and non-governmental organizations such as zoos and environmental organizations. The success of the program has spread to other institutions such that there is now a national Tigers for Tigers Coalition.

1998-2001 *Director of Graduate Studies*, Center for Environmental Research and Conservation, Columbia University, New York.

The Center for Environmental Research and Conservation (CERC) at Columbia University was the degree-home precursor of Columbia University's Department of Ecology, Evolution, and Environmental Biology. During my time as DGS I was responsible for overseeing admissions and graduate student progress as well as maintaining the overall academic integrity of the graduate degree programs. I also designed and oversaw commencement of the CERC's Master's degree program.

NOTABLE EXTERNAL SERVICE AND PROFESSIONAL ACTIVITIES

2016-2017 *Lead Subject Matter Expert and Panel Chair*, National Park Service Isle Royale Wolf Reintroduction Plan.

In 2016, at the request of the National Park Service, I formed and convened a panel of experts to draft a detailed plan for the management of wolves inhabiting Isle Royale National Park in Michigan. Work included involvement in all aspect of panel oversight, including budgets, facilitating legal document approvals and consulting fee payments, stakeholder and panel meetings, draft documents, and final reports. The document derived from this team underpins the management strategy and reintroduction program currently underway in a flagship US national park.

2005-2015 *Editorial Board*, *Animal Conservation*, Wiley Blackwell and Zoological Society of London.

For a ten year period, I was a member of the editorial board of the international journal *Animal Conservation*. My service with the journal commenced with three years as Associate Editor, followed by a seven year senior appointment as Editor. In the later role I participated in annual international meetings of senior editors, helped guide the direction of the journal, oversaw the

acceptance and management of manuscripts, oversaw a large team of Associate Editors, and regularly participated in the drafting of editorials.

NOTABLE RECENT (since 2010) GRANTS AND AWARDS (total career funding: ~\$3,000,000)

2021-2023	New Mexico Department of Game and Fish Impacts of RhDV2 Emergence on New Mexican Lagomorphs (\$30,000)
2020-2022	National Science Foundation Rapid: Eco-Epidemiological, Population and Community Ecology Implications of RhDV2 Emergence in New World Lagomorphs (\$199,940)
2020-2022	NIFA – McIntire Stennis Impacts of forest fires on the parasites of harvested forest wildlife (\$70,000)
2017-2021	Missouri Department of Conservation Modelling Feral Hog Occupancy in the Missouri Ozarks (\$272,166)
2016-2020	Arkansas Game and Fish Commission Habitat selection and home range patterns of eastern spotted skunks in the Ozarks (\$236,725)
2016	National Park Service Technical Input regarding Options for Bringing Wolves to Isle Royale National Park (\$35,590)
2013-2020	Missouri Department of Conservation Title: Modeling Chronic Wasting Disease Dynamics and Potential Impacts on White-tailed Deer Populations in Missouri (with J. Millspaugh; \$240,130)
2011-2013	University of Missouri Research Board Title: Dog Mass Vaccination and Population Growth: Assessing Management Outcomes (\$44,390)
2010-2012	National Science Foundation Title: REU Supplemental Funding: Relative importance of genetic variability for predicting parasitism in a free-ranging vertebrate host (\$7500)
2009-2014	National Science Foundation Title: Relative importance of genetic variability for predicting parasitism in a free-ranging vertebrate host (with Lori Eggert; \$287,407)

RECENT (since 2015) PUBLICATIONS (of >180; for full list see <https://scholar.google.com/citations?user=iNGsgNQAAAAJ&hl=en&oi=ao>)

1. Khatoon, R., M. Anwar, C.H. Nilon, and M.E. Gompper. In press. Human-carnivore conflict in a recently established Pakistani national park. Human-Wildlife Interactions
2. LaRose, SH, Macpherson, MP, Lesmeister, DB, Hackett HM, Perry PW, Sasse, DB, and ME Gompper. 2022. Predicted Distribution of Plains Spotted Skunk in Arkansas and Missouri. Journal of Wildlife Management 86:e22165.
3. Nayeri, D., A. Mohammadi, A.T. Qashqaei, A.T. Vanak, and M.E. Gompper. 2022. Free-Ranging Dogs as a Threat to Iranian Mammals. Oryx. 1-7. doi:10.1017/S0030605321000090
4. McDonough, MM, AW Ferguson, RC Dowler, ME Gompper and JE Maldonado. 2022. Phylogenomic systematics of the spotted skunks (Carnivora, Mephitidae, *Spilogale*): Additional

- species diversity and Pleistocene climate change as a major driver of diversification. Molecular Phylogenetics and Evolution, 167:107266.
5. Bianchi, R. de C., J.M.A. Jenkins, D.B. Lesmeister, J.A. Gouvea, C.S. Cesário, L. Fornitano, M. Y. de Oliveira, K.D.R. de Moraes, R.L.A. Ribeiro and M.E. Gompper. 2021. Tayra (*Eira barbara*) Landscape Use as a Function of Cover Types, Forest Protection, the Presence of Puma and Free-Ranging Dogs. Biotropica, 53: 1569-1581.
 6. Snider, M.H., V.R. Athreya, G. A. Balme, L.R. Bidner, M.S. Farhadinia, J. Fattebert, M.E. Gompper, S. Gubbi, L.T.B. Hunter, L.A. Isbell, D.W. Macdonald, M. Odden, C.R. Owen, R. Slotow, J.A. Spalton, A.B. Stein, V.Steyn, A.T. Vanak, F.J. Weise, C. Wilmers, R. Kays. 2021. Home range variation in leopards living across the human density gradient. Journal of Mammalogy, 102:1138-1148.
 7. LaRose, S.H. D.B. Lesmeister, & M.E. Gompper. 2021. Addressing a knowledge gap in *Spilogale* disease ecology: Skunk cranial worm, *Skrjabinogylus chitwoodorum*, in *Spilogale putorius interrupta*. Southeastern Naturalist 20 (Special Issue 11): 173-180.
 8. Gompper, ME. 2021. Adding nuance to our understanding of dog-wildlife interactions and the need for management. Integrative and Comparative Biology 61:93-102.
 9. Bryce CM, MS Davis, ME Gompper, A Hurt, J Koster, G Larson, E Ostrander, M Udell, S Urfer, AJ Wirsing & AG Jimenez. 2021. Biology's best friend: Bridging disciplinary gaps to advance canine science. Integrative and Comparative Biology 61:76-92.
 10. Jachowski, D, Kays, R, Butler, A, Hoylman, AM, Gompper ME. 2021. Tracking the decline of weasels in North America. PLoS One 16(7): e0254387.
 11. Cove, M.V. et al (approx. 150 authors). 2021. SNAPSHOT USA 2019: the first coordinated national camera trap survey of the United States. Ecology 10.1002/e03353.
 12. Belsare, AV, ME Gompper, B Keller, J Sumners, L Hansen, and JJ Millspaugh. 2020. Size Matters: Sample size assessments for chronic wasting disease surveillance using an agent-based modeling framework. MethodX 7: 100953
 13. Higdon, SD and ME Gompper. 2020. Prevalence and severity of skunk cranial worm (*Skrjabinogylus chitwoodorum*) damage increase with precipitation in spotted skunks (*Spilogale* spp.). Journal of Wildlife Diseases 56:597-608.
 14. Bianchi, R. de C., N. Olifiers, L.L. Riski, J.A. Gouvea, C.S. Cesário, L. Fornitano, G.L. Zanirato, M. Yan, K.D. Rodrigues de Moraes, R.L. Alves Ribiero, P.S. D'Andrea, and M.E. Gompper. 2020. Dog activity in protected areas: behavioral effects on mesocarnivores and the impacts of a top predator. European Journal of Wildlife Research 66:36 <https://doi.org/10.1007/s10344-020-01376-z>
 15. Nagy-Reis, M.B. et al. (approx. 700 authors) 2020. NEOTROPICAL CARNIVORES: a dataset on carnivore occurrence in the Neotropics. Ecology 101(11), e03128.
 16. Higdon S.D. and M.E. Gompper. 2020. Rest Site Use and the Apparent Rarity of an Ozark Population of Plains Spotted Skunk (*Spilogale putorius interrupta*). Southeastern Naturalist 19:74-89.
 17. Belsare, AV, ME Gompper, B Keller, J Sumners, L Hansen, and JJ Millspaugh. 2020. A model-based framework for improving wildlife disease surveillance: Chronic wasting disease in Missouri white-tailed deer. Ecological Modeling 417:108919.
 18. Kafley, H., Lamichane, BR, Maharjan, R, Khadka, M, Bhattarai, N, and ME Gompper. 2019. Tiger and leopard co-occurrence: Intraguild interactions in response to human and livestock disturbance. Basic and Applied Ecology 40:78-89.
 19. Khatoon, R., M. Anwar, U. Habiba, N. Mustafaa, S. Rana, L.S. Eggert, and M.E. Gompper. 2019. Diet of Common leopard and Leopard cat in Murree, Kotli Sattian and Kahuta National Park, Pakistan: contrasting patterns of domestic animal and wild carnivore consumption. International Journal of Biosciences 15:321-330.

20. Kafley, H., Lamichhane, BR, Maharjan, R, Thapaliya, B, Bhattarai, N, Khadka, M, and ME Gompper. 2019. Estimating prey abundance and distribution from camera trap data using binomial mixture models. European Journal of Wildlife Research 65:77.
21. Khatoon, R., M. Anwar, U. Habiba, L.S. Eggert, and M.E. Gompper. 2019. A field and laboratory based assessment of the distribution of large and mesocarnivore species in the newly established Murree, Kotli Sattian and Kahuta National Park, Pakistan. Mammal Research 64:411-422.
22. Al-Warid, H.S., Al-Saqur, I.M., Kadhem, A.J., Al-Tuwaijari, S.B., Al-Zadawi, K.A.M., and M.E. Gompper. 2019. Spatial and demographic aspects of kala-azar (visceral leishmaniasis) in Iraq during 2011-2013. Tropical Biomedicine 36:22-34.
23. Belsare, A., Mason, M., Gompper, M., Munoz-Zanzi, C. 2019. MHMSLeptoDy (Multi-host, multi-serovar Leptospira Dynamics Model)" (Version 1.0.0). CoMSES Computational Model Library. OpenABM. <https://www.comses.net/codebases/26380987-f7d4-4027-8390-9e608203ee8d/releases/1.0.0/>
24. Nigenda-Morales, S, ME Gompper, D Valenzuela-Galván, AR Lay, KM Kapheim, C Hass, SD Booth-Binczik, GA Binczik, BT Hirsch, M McColgin, JL Koprowski, K McFadden, RK Wayne, and K-P Koepfli. 2019. Phylogeographic and diversification patterns of the white-nosed coati (*Nasua narica*): Evidence for south-to-north colonization of North America. Molecular Phylogenetics and Evolution 131:149-163.
25. Gomes, A.P. N., A. Maldonado Júnior, R. de C. Bianchi, J. G. R. Souza, P. S. D'Andrea, M. E. Gompper and N. Olifiers. 2019. Variation on the prevalence and abundance of acanthocephalans in brown-nosed coatis *Nasua nasua* and crab-eating foxes *Cerdocyon thous* in the Brazilian Pantanal. Brazilian Journal of Biology 79:533-542.
26. Al-Warid, H.S., A. Belsare, M.E. Gompper, and L.S. Eggert. 2018. Genetic Polymorphism of *Baylisascaris procyonis* in Intrapopulation and Component Populations in the Central USA. Parasitology International 67: 392-396
27. Hirsch, B. and M.E. Gompper. 2017. Causes and consequences of coati sociality. Pp 515-526 In: Biology and Conservation of the Musteloids (D.W. Macdonald, C. Newman, L.A. Harrington, eds.). Oxford University Press.
28. Gompper, M.E. 2017. Range decline and landscape ecology of the eastern spotted skunk. Pp. 478-492 In: Biology and Conservation of the Musteloids (D.W. Macdonald, C. Newman, L.A. Harrington, eds.). Oxford University Press.
29. Richardson, D.J., A. Leveille, H.S. Al-Warid, A.V. Belsare, and M.E. Gompper. 2017. Geographic Distribution Records of *Macracanthorhynchus ingens* (Archiacanthocephala: Oligacanthorhynchidae) from the Raccoon, *Procyon lotor* in North America. Journal of the Arkansas Academy of Science 71:203-205.
30. Belsare, A.V., Gompper, M.E., Millspaugh, J.J. 2017. MOOVPOP (Version 9). CoMSES Computational Model Library. OpenABM. <https://www.openabm.org/model/5585/version/9>
31. Belsare, A.V., Gompper, M.E., Millspaugh, J.J. 2017. MOOVPOPsurveillance (Version 9). CoMSES Computational Model Library. OpenABM. <https://www.openabm.org/model/5576/version/9>
32. Schneider, MC, Velasco-Hernandez, J, Min, K-D, Galan Leonel, D., Baca-Carrasco, D., Gompper, ME, and C Munoz-Zanzi. 2017. The use of chemoprophylaxis after floods to reduce the occurrence and impact of leptospirosis outbreaks. International Journal of Environmental Research and Public Health 14(6), 594; doi:10.3390/ijerph14060594
33. Al-Warid, H.S., A. Belsare, K. Straka, & M.E. Gompper. 2017. *Baylisascaris procyonis* roundworm infection patterns in raccoons (*Procyon lotor*) from the Missouri and Arkansas, USA. Helminthologia 54:113-118.
34. Al-Warid, H. S., J. Beringer, T. L. Hiller, J. L. Belant, and M. E. Gompper. 2017. Community composition of Ixodid ticks parasitizing American black bears in Missouri, USA. Ursus 27:61-66.
35. Belsare, AV and Gompper ME. 2017. DogFoxCDVspillover (Version 2). CoMSES Computational Model Library. OpenABM. <https://www.openabm.org/model/5275/version/2>

36. Wu, H.-H., M.A.R. Ferreira, and M.E. Gompper. 2016. Consistency of hyper-g-prior-based Bayesian variable selection for generalized linear models. Brazilian Journal of Probability and Statistics 30: 691-709.
37. Bianchi, R. de C., N. Olifiers, M.E. Gompper, G de M. Mourão. 2016. Niche partitioning among mesocarnivores in a Brazilian wetland. PLoS ONE 11(9): e0162893. doi:10.1371/journal.pone.0162893.
38. Kafley, H., Gompper, M.E., Sharma, M., Lamichane, B.R., and Maharjan, R. 2016. Tigers respond to fine spatial-scale habitat factors: Occupancy-based habitat associations in Chitwan National Park, Nepal. Wildlife Research 43: 398-410.
39. Gompper, M.E., D.B. Lesmeister, J.C. Ray, J.R. Malcolm, and R Kays. 2016. Differential Habitat Use or Intraguild Interactions: What Structures a Carnivore Community? PLoS ONE 11(1): e0146055. doi:10.1371/journal.pone.0146055.
40. Gompper, M.E. and D.S. Jachowski. 2016. *Spilogale putorius*, Eastern Spotted Skunk. The IUCN Red List of Threatened Species 2016: e.T41636A45211474.
41. Belsare, A.V. and Gompper, M.E. 2015. To vaccinate or not to vaccinate: Lessons learned from an experimental mass vaccination of free-ranging dog populations. Animal Conservation 18:219-227. (featured paper with cover photo)
42. Olifiers, N., Jansen, A.M., Herrera, H.M., Bianchi, R. de C., D'Andrea, P.S., Mourão, G. de M., and Gompper, M.E. 2015. Co-infection and wild animal health: effects of trypanosomatids and gastrointestinal parasites on coatis of the Brazilian Pantanal. PLoS ONE, 10(12): e.0143997.
43. Kafley, H., Gompper, M.E., Khadka, M., Sharma, M., Maharjan, R., Thapaliya, B.P. 2015. Analysis of rhino (*Rhinoceros unicornis*) population viability in Nepal: Impact assessment of antipoaching and translocation strategies. Zoology and Ecology.25: 288-294.
44. Mowry, R A., T. M. Schneider, E. K. Latch, M. E. Gompper, J. Beringer & L. S. Eggert. 2015. Genetics and the successful reintroduction of the Missouri river otter. Animal Conservation 18:196-206.
45. Schuttler, S.G., Ruiz-Lopez, M., Monello, R., Eggert, L.S., and Gompper, M.E. 2015. The interplay between clumped resources, social aggregation, and genetic relatedness in the raccoon. Mammal Research 60:365-373.
46. Evans, D.M., Gordon, I.J., Garner, T.W.J., Gompper, M.E., Altwegg, R., Johnson, J.A. & Pettorelli, N. 2015. Biodiversity offsetting: what are the challenges, opportunities and research priorities for animal conservation? Animal Conservation 18:1-3.
47. Gompper, M.E., J. L. Belant, and R. Kays. 2015. Carnivore coexistence: America's recovery. Science 347:382-383.
48. Belsare, A.V. and 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.

TEACHING EXPERIENCE

Courses Taught (New Mexico State University)

2021	Wildlife Disease Ecology (UG/G)
2021	Seminar in Manuscript & Proposal Reviewing (G)
2021, 2022 (Spring & Fall)	Seminar in Natural Resources Management (UG)

Courses Taught (University of Missouri)

2009	Advanced Mammalogy (G)
2002, 2003, 2004, 2005, 2006, 2007	Conservation Biology (UG)

2002, 2003, 2004, 2006, 2007, 2009, 2010, 2011, 2012,
2013, 2014, 2016, 2017, 2018 Mammalogy (UG)

2004 Endangered Species Management (G)

2005, 2006, 2008, 2012, 2014, 2016, 2018 Wildlife Disease Ecology (G)

2008, 2010, 2012, 2014, 2016, 2018 Wildlife Disease Ecology (UG)

2006 Carnivore Ecology (G)

2007, 2012, 2013, 2015, 2017, 2019 Grant Writing for Wildlife Research (G)

2010 Trophic Cascades (G)

Courses Taught (Columbia University)

1998, 1999, 2000, 2001 Ecology I (G)

1999, 2000, 2001 Environmental Biology and Life Systems (UG)

1998, 2000 Biology of Small Populations (UG/G)

2000 Behavioral Ecology and Conservation (G)

Courses Taught (University of Nevada/Truckee Meadows Community College)

1997 (Fall, Spring) Organismic Biology (multiple sections; UG)

1996 Demography of Small Populations (G)

1995 Conservation of Large Mammals (co-taught; UG/G)