

JULIE SHAPIRO

Department of Wildlife Conservation and Ecology
110 Newins-Ziegler Hall, Gainesville FL 32611
+1 774 517 1143
julie.teresa.shapiro@gmail.com

EDUCATION

Harvard University	Romance Languages and Literatures	B.A.	2010
University of Florida	Interdisciplinary Ecology	Ph.D.	2018

PUBLICATIONS - PEER REVIEWED

Gumbi, B., J.T. Shapiro, T.A.M. Mahlaba, D. MacFadyen, R.A. McCleery and A. Monadjem. Assessing the impacts of domesticated versus wild ungulates on terrestrial small mammal assemblages at Telperion Nature Reserve, South Africa. *African Zoology* 53: 23 – 29.

<https://doi.org/10.1080/15627020.2018.1449665>

Simelane, F. N., T.A. M. Mahlaba, J.T. Shapiro, D. MacFadyen, A. Monadjem. 2018. Habitat associations of small mammals in the foothills of the Drakensberg Mountains, South Africa. *Mammalia* 82: 144 – 152.

<http://dx.doi.org/10.1515/mammalia-2016-0130>

Lima Junior, M.S.C., A.C.L. Hartkopf, R.A. de Souza Tsujisaki, E. Teruya Oshiro, J.T. Shapiro, M.F. Cepa Matos, M.E.C. Dorval. 2018. Isolation and molecular characterization of *Leishmania infantum* in urine from patients with visceral leishmaniasis in Brazil. *Acta Tropica* 178: 248 – 251.

<https://doi.org/10.1016/j.actatropica.2017.12.011>

Stanton, R., J.T. Shapiro, J. Laskowski, R.A. McCleery. 2017. Dynamic figures should be a central feature of scientific articles. *Frontiers in Ecology and the Environment* 15: 427 – 428.

<https://doi.org/10.1002/fee.1532>

Bordignon, M.O. and J.T. Shapiro. 2017. Bat Diversity in the western edge of the Pantanal, Brazil.

Accepted, in press, *Mammalia*. <https://doi.org/10.1515/mammalia-2016-0107>

Monadjem, A., J.T. Shapiro, F. Mtsetfwa, A.E. Reside, R.A. McCleery. 2017. Acoustic call library and detection distances for bats of north-eastern Swaziland. *Acta Chiropterologica* 19: 175 – 187.

<http://dx.doi.org/10.3161/15081109ACC2017.19.1.014>

Metzdorf, I.P, M.S. Costa Lima Junior, M.F. Cepa Matos, A.F. de Souza Filho, R.A. de Souza Tsujisaki, K.G. Franco, J.T. Shapiro, and F. de Almeida Borges. 2017. Molecular characterization of *Leishmania infantum* in domestic cats in a region of Brazil endemic for human and canine visceral leishmaniasis. *Acta Tropica* 166: 121 – 125. <http://dx.doi.org/10.1016/j.actatropica.2016.11.013>

Novaes, R.L.M., R.F. Souza, S. Felix, A.C. Siqueira, R.S. Laurindo, J.T. Shapiro. 2017. Seasonality and habitat influence on bat assemblage structure in an urban Atlantic Forest remnant from Southeastern Brazil. *Mammalia* 81: 265 – 274. <https://doi.org/10.1515/mammalia-2015-0115>

Shapiro, J.T., E. Barbier, A. Monadjem. 2016. First record of Streblidae, *Raymondia alulata* Speiser (Diptera: Streblidae), in Swaziland and a review of the genus *Raymondia* and their hosts in Africa. *Acta Chiropterologica* 18: 249 – 268. <http://dx.doi.org/10.3161/15081109ACC2016.18.1.015>

Shapiro, J.T. and A. Monadjem. 2016. Two new bat species for Swaziland and a revised list for the country. *Mammalia*, 80: 353 – 357. <http://dx.doi.org/10.1515/mammalia-2014-0174>

Shapiro, J.T., T.M.R. dos Santos, C.R. Marchetti, M.O. Bordignon. 2015. Characterization of fungi associated with the nasal hairs of Molossid bats (Gervais 1856), Mato Grosso do Sul, Southwest Brazil. *Fungal Ecology* 18:126 -29. <http://dx.doi.org/10.1016/j.funeco.2015.06.005>

Fenesi, A., C.I. Vagasi, M. Beldean, R. Foldesi, L.P. Kolcsar, J.T. Shapiro, E. Torok, A. Kovacs-Hostyanszki. 2015. *Solidago canadensis* impacts on native plant and pollinator communities in different-aged old-fields. *Basic and Applied Ecology* 16: 335 – 346. <http://dx.doi.org/10.1016/j.baae.2015.03.003>

Shapiro, J.T. and M.O. Bordignon. 2014. Report on the bat (Chiroptera) community in three Cerrado fragments of Mato Grosso do Sul, southwestern Brazil. *Checklist* 10: 1380-1386. <http://dx.doi.org/10.15560/10.6.1380>

Carvalho N.C., M.O. Bordignon, J.T. Shapiro. 2014. Fast and furious: a look at the death of animals on the highway MS-080, Southwestern Brazil. *Iheringia Série Zoologia* 104: 43-49. <http://dx.doi.org/10.1590/1678-4766201410414349>

Shapiro, J.T. and A. Baldi. 2014. Accurate Accounting: How to Balance Ecosystem Services and Disservices. *Ecosystem Services*. 7: 201-202. <http://dx.doi.org/10.1016/j.ecoser.2014.01.002>

Shapiro, J.T., M.S.C. Lima Junior, M.E.C. Dorval, A.O. França, M.F.C. Matos, M.O. Bordignon. 2013. First record of *Leishmania braziliensis* presence detected in bats, Mato Grosso do Sul, southwest Brazil. *Acta Tropica* 128: 171-174. <http://dx.doi.org/10.1016/j.actatropica.2013.07.004>

dos Santos, T.M.R., J.T. Shapiro, P.S. Shibuya, C. Aoki. 2013. Observation of *Trigona recursa* Smith (Hymenoptera: Apidae) feeding on *Crotalaria micans* Link (Fabaceae: Faboideae) in a Brazilian savanna fragment. *Sociobiology* 60: 210-213. <http://dx.doi.org/10.13102/sociobiology.v60i2.210-213>

Baldi, A. and J.T. Shapiro. 2013. A reply to Sólymos *et al.* *Frontiers in Ecology and the Environment* 11: 179-180. <http://dx.doi.org/10.1890/13.WB.011>

Shapiro, J.T. and A. Baldi. 2012. Lost locations and the (ir) repeatability of ecological studies. *Frontiers in Ecology and the Environment* 10: 235-236. <http://dx.doi:10.1890/12.WB.015>

Shapiro, J.T. and A. Pringle. 2010. Anthropogenic influences on the diversity of fungi isolated from caves in Kentucky and Tennessee. *American Midland Naturalist* 163: 76-86. <http://dx.doi.org/10.1674/0003-0031-163.1.76>

OTHER PUBLICATIONS

Shapiro, J.T. 2017. *Mops bakarii*. The IUCN Red List of Threatened Species 2017: e.T67363010A67363012. <http://dx.doi.org/10.2305/IUCN.UK.2017-2.RLTS.T67363010A67363012.en>

Monadjem, A. and J.T. Shapiro. 2017. *Hipposideros tephros*. The IUCN Red List of Threatened Species 2017: e.T85646524A85646528. <http://dx.doi.org/10.2305/IUCN.UK.2017-2.RLTS.T85646524A85646528.en>

Monadjem, A. and J.T. Shapiro. 2017. *Triaenops afer*. The IUCN Red List of Threatened Species 2017: e.T81081036A95642225. <http://dx.doi.org/10.2305/IUCN.UK.2017-2.RLTS.T81081036A95642225.en>

GRANTS/FELLOWSHIPS/SCHOLARSHIPS/AWARDS

- University of Florida Biodiversity Institute Fellowship, Summer 2018
- National Science Foundation Global Research Opportunities Worldwide (NSF-GROW) grant for research visit to Center for GeoGenetics, University of Copenhagen, Denmark 2014, 2015, 2016 / 2017
- American Scandinavian Foundation Fellowship, Amanda Roleson Fund, 2016 / 2017
- The Explorers Club Exploration Fund – Mamont Scholar’s Program, 2016
- National Science Foundation Graduate Research Fellowship Program fellow, 2013 – 2016
- Digital Global High Resolution Imagery Grant, 2015

- National Geographic Young Explorers Grant, 2014
- Bat Conservation International Student Research Grant, 2014
- Fulbright Scholar, Brazil, 2012.

CONFERENCE PRESENTATIONS

Shapiro, J.T., R.J. Holmes, N. Nguyen, T.A. Hansen, A. Monadjem, R.A. McCleery, A.J. Hansen. Pathogen Detection in Bats of Swaziland. International Bat Research Conference, 2016. Durban, South Africa.

Shapiro, J.T., R.J. Holmes, N. Nguyen, T.A. Hansen, A. Monadjem, R.A. McCleery, A.J. Hansen. Pathogen Detection in Bats of Swaziland. First Annual Symposium of Biodiversity in Swaziland. 25 July 2016.

PUBLIC / INVITED TALKS

“Bats in a Mosaic Landscape.” FOR3153C, Forest Ecology (undergraduate course). Nov. 2016

“Landscape Ecology of Bats in Swaziland.” University of Florida in Swaziland field course. May 2016

“Future of Savanna Bats.” Guest Lecture, University of Alberta Field Course. December 2015; March 2016

“Bats in a Mosaic Landscape.” Fireside Talk (Public). Mbuluzi Game Reserve. December 2015

SUPERVISION AND MENTORING

Undergraduate students:

José Cordero, University of Florida, summer 2018

Project: Sorting and analysis of acoustic bat data

Hatice Karabulut, Middle East Technical University (Turkey), summer 2017

Project: Meta-barcoding and Sanger sequencing; laboratory work; initial analysis for Sanger sequencing

Nomzamo Wanambisi, University of Swaziland, fall 2015 – summer 2016

Project: Variation in insect abundance and diversity across land-cover types, northeast Swaziland

TEACHING

Wildlife Techniques Field Methods (Fall 2016)

Instructed undergraduate students in trapping and handling bats during Ordway-Swisher field trip (2 nights)

Teaching Assistant for Landscape Ecology, Graduate Section (Fall 2016)

Introduction to researching bats, University of Florida in Swaziland field course (May – June 2016)

Instructed students in trapping, acoustic monitoring, and basic analysis of acoustic data

Master’s Seminar, University of Swaziland (Spring 2016)

Assisted with and led discussions, led classes focused on scientific writing, mentored students, assisted students in writing scientific articles. After course, maintained contact with students and assisted with future research and publications.

Introduction to Bat Acoustic data (spring 2015) – instructed and supervised undergraduate students at the University of Florida in processing bat acoustic data

OUTREACH ACTIVITIES

University of Florida Natural Resources Diversity Initiative, Advisory board (2016-2018), Member (2013 – 2015) - Participates in activities to increase the exposure of diverse groups to the natural resource fields through activities at the University of Florida (career panels, workshops, job fairs, etc.), and outreach events with local schools, community centers, after-school programs, and summer camps in Gainesville, Florida

Op-Ed Project: Building a Better Society Through Science – Editor (2017)

Gator Handler – trained by the Florida Wildlife Commission in handling alligators for education and outreach events.

Science Outreach in Brockton, MA – organized several presentations for middle and high school students in Brockton, MA on science and research careers

Fulbright Program Presentations – Presents information on opportunities with the Fulbright program in Brazil and Swaziland.

PEER REVIEW

Reviewer for *PLoS One*, *Ecosystem Services*, *Biological Conservation*, *Acta Chiropterologica*, *Mammalia*, *Natural Areas Journal*, *Barbastella: Journal of Bat Research*, and *Caribbean Naturalist*

PROFESSIONAL ORGANIZATION MEMBERSHIP

IUCN Bat Specialist Group Commission Member, Wildlife Disease Association, University of Florida Natural Resources Management in Africa Working Group

RELEVANT WORK EXPERIENCE

Consultant for ArcelorMittal Liberia Bat Mitigation project (February 2017)

Hungarian Academy of Sciences, Budapest, Hungary – writer and editor (Sep. 2011-Feb. 2012, May – Aug. 2013)

Ben-Gurion University, Israel – lab and field technician (Jun. – Sep. 2010)

Pringle Lab, Harvard University, Cambridge, MA – lab technician (Jan. 2007 – Apr. 2009)

Oregon Bureau of Land Management, Lakeview, OR – Bat Grid Intern (Jun. – Aug. 2006)

Mammoth Cave National Park, KY – Science and Resource Management Intern (Jul. – Aug. 2005)

PROFICIENCIES/TRAININGS

- Remote Sensing
- Programming in R
- Basic programming in Python
- Certificate of Proficiency in Portuguese Language (*Certificado de Proficiência em Língua Portuguesa para Estrangeiros*), Brazilian Ministry of Education
- Fluency in French, Spanish, Portuguese
- Geographic Information Systems