

Arjun B. Potter

CONTACT

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EDUCATION

- 2015 – Present PhD Candidate, Department of Ecology and Evolutionary Biology
Princeton University, Princeton, NJ
Advisor: Prof. Robert M. Pringle
Expected graduation May 2021
- 2015 – 2017 MA, Department of Ecology and Evolutionary Biology
Princeton University
- 2009 – 2012 BS Natural Resources *cum laude* with Distinction in Research
Cornell University - CALS, Ithaca, NY
Advisor: Prof. André A. Dhondt
Honors thesis title: *Conservation Biology of the White-naped Tit (Parus nuchalis) in Gujarat, India*
- 2008 – 2009 College of the Atlantic, Bar Harbor, Maine

AWARDS AND HONORS

- 2018 Walbridge Fund Graduate Award, *Princeton Environmental Institute*
- 2017 – 2020 NSF Graduate Research Fellowship, *National Science Foundation*
- 2015 – 2020 Centennial Fellowship, *Princeton University*
- 2015 First Year Fellowship, *Princeton University*
- 2012 – 2013 Fulbright U.S. Student Award to Indonesia, *U.S. Dept. of State.*
- 2012 Fulbright Critical Language Enhancement Award (for Indonesian) *U.S. Dept. of State.*
- 2011 Redheads Undergraduate Research Fund, *Cornell Lab of Ornithology*, Ithaca, NY.
- 2011 Dextra Undergraduate Research Fund, *CALS*, Ithaca, NY.
- 2008 – 2011 The Watershed Fund Scholarship, *The Watershed Fund*, New Haven, CT
- 2008 Explorer's Club Research Grant, *Explorers' Club*, New York, NY.
- 2008 Presidential Scholarship Award, *College of the Atlantic*, Bar Harbor, ME.
- 2008 Menunkatuck Award, *Menunkatuck Audubon Society*, Branford, CT
- 2007 Young Naturalist Award, *American Museum of Natural History*, New York, NY.

PUBLICATIONS

Kihwele, E.S., Mchomvu, V., Owen-Smith, N., Hetem, R.S., Hutchinson, M.C., **Potter, A.B.**, et al. (2020). Quantifying water requirements of African ungulates through a combination of functional traits. *Ecological Monographs*, 90, e01404

Guyton, J.A., Pansu, J., Hutchinson, M.C., Kartzinel, T.R., **Potter, A.B.**, Coverdale, T.C., *et al.* (2020). Trophic rewilding revives biotic resistance to shrub invasion. *Nature Ecology & Evolution*, 4, 712–724.

Branco, P.S., Merkle, J.A., Pringle, R.M., Pansu, J., **Potter, A.B.**, Reynolds, A., *et al.* (2019). Determinants of elephant foraging behavior in a coupled human-natural system: is brown the new green? *Journal of Animal Ecology*, 88, 780–792

Atkins, J.L., Long, R.A., Pansu, J., Daskin, J.H., **Potter, A.B.**, Stalmans, M.E., *et al.* (2019). Cascading impacts of large-carnivore extirpation in an African ecosystem. *Science*, 364, 173–177.

Potter, A. B., and A. A. Dhondt. 2019. Behavioural observations on White-naped Tit *Machlolophus nuchalis* during its breeding season. *Indian Birds*, 14, 161–165.

Pansu, J., Guyton, J.A., **Potter, A.B.**, Atkins, J.L., Daskin, J.H., Wursten, B., *et al.* (2019). Trophic ecology of large herbivores in a reassembling African ecosystem. *Journal of Ecology*, 107, 1355–1376

Munjpara, S., **Potter, A.**, Solanki, P., and J. Tak. (2009) First record of Masked Booby *Sula dactylatra* from Kachchh, India. *Indian Birds* 4: 112 (2008).

PUBLICATIONS SUBMITTED OR IN PREP (manuscripts available upon request)

Potter, A. B., Hutchinson, M. C., Pansu, J., Levine, J. M. & Pringle, R. M. (n.d.). Trait-based analysis of the diets of large-herbivore diets reveals the primary axes of dietary niche partitioning. *In preparation for submission to Ecology Letters*.

Potter, A. B., Imron, M. A., Pudyatmoko, S. & Hutchinson, M. C. (n.d.). Plant community regulation by large mammalian herbivores in a rewilded Javan savanna. *In preparation for Journal of Tropical Ecology*.

Daskin, J. H., Long, R. A., Kartzinel, T. R., **Potter, A. B.**, Lonneker, M., Eriksson, F. A., Buoncore, C., Getraer, A. & Pringle, R. M. (n.d.). Resource-driven habitat selection by browsing antelopes in a low-risk landscape. *In preparation for submission to Ecological Monographs*.

PROFESSIONAL PRESENTATIONS

2019-2020	Gorongosa Symposium (speaker)
2019	Princeton Environmental Institute Discovery Day (poster)
2019	Lab Tea Symposium (speaker)
2019	4 th Year Departmental Talk, (speaker)
2017	2 nd Year Departmental Talk (speaker)
2015	Princeton, Penn, Columbia, and Rutgers EEB Symposium (speaker)
2013	Fulbright Conference, SE Asia (speaker)

TECHNICAL AND FIELD SKILLS

Data collection: Field measurements of plant leaf and stem traits
Field botany (particularly identification of Poaceae)
Vegetation monitoring, camera trapping
Diet analysis using DNA metabarcoding
Biodiversity surveys

Software: R Statistical Software
ArcGIS
MARK (mark-recapture software)

Language: English (native)
Indonesian (intermediate-advanced)
Portuguese (intermediate)
Latin, Spanish (proficient)
Hindi, Gujarati (basic).

Other: Wilderness First Responder (certified Jan 2015).

TEACHING AND MENTORING EXPERIENCE

2015 – 2016 Teaching Assistant *Princeton University* Princeton, NJ
Ecology 321: Species interactions, Biodiversity, and Society

2016 – Present Resident Graduate Student *Rockefeller College, Princeton University* Princeton, NJ
Serving as a mentor for 19–55 advisees per year in an undergraduate residential college. Responsibilities include weekly trivia night, study break events, the college leadership team, thesis bootcamps, and facilitating yoga classes.

2016 – 2018 Undergraduate internship supervisor for the Princeton Environmental Institute
Bozhidar Stankovikj & Madeleine Dietrich (2018, primary supervisor)
Maria Stahl (2017, primary supervisor)
Alec Getraer & Courtney Buoncore (2016, co-supervisor)

PROFESSIONAL SERVICE

2018 – Present **Co-leader**, *Princeton Sunda Rainforest Project*, Princeton, NJ
Helping lead a student-run club that partners with World Wildlife Fund-US to protect tiger, orangutan, and elephant habitat in Sumatra. Activities including science, fundraising, and documentary filming.

ADDITIONAL EXPERIENCE

2014 **Consulting Ecologist**, *Rock Cobble Farm*, Kent, CT
Developed and implemented strategies to improve 190 acres of pasture and hayfield and integrate biodiversity conservation with grass-fed cattle production.

REFERENCES

Prof. Robert M. Pringle, Department of Ecology and Evolutionary Biology, Princeton University

Prof. Stephen W. Pacala, Department of Ecology and Evolutionary Biology, Princeton University

Prof. Corina E. Tarnita, Department of Ecology and Evolutionary Biology, Princeton University