

Yadav Prasad Ghimirey, PhD

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PROFILE SUMMARY

I am a conservation scientist who links climate and land-use change to mammal communities using information-theoretic, hierarchical Bayesian, and process-based models, and then turns those results into action. I help design conservation programs with protected area managers, Indigenous partners, and local communities, setting monitoring plans, and testing interventions through adaptive management. My work spans field surveys (camera traps, mark-recapture, occupancy) to policy-ready syntheses (Red/Green List assessments, risk mapping, PVA). I'm committed to inclusive mentorship and training that blends field skills, analytics, and decision-making. Proven record of mentoring students, impactful publications, competitive grants, and on-the-ground implementation to protect species and populations.

KEY SKILLS

Teaching, Mentorship & Curriculum Support

- *Taught lab modules of wildlife population ecology (WIS4501-6455) for 4 semesters*
- *Trained/facilitated learning of over 250+ students (undergraduate/graduate).*

Conservation Leadership, Outreach & Collaboration

- *Member of IUCN Specialist Groups (2) contributing to global species assessments (>8)*
- *Led outreach initiatives like sensitization camps (>100), conservation books (>3)*

Scientific Writing & Grantsmanship

- *Authored ~15 peer-reviewed articles and multiple technical reports*
- *Raised over \$250,000 in funding through competitive grants*

Ecological Research & Quantitative Methods

- *Excellent working knowledge in using statistical models to analyze ecological data in R*
- *Working knowledge in using GIS software for ecological analysis and inference*

EDUCATION

Ph.D. Wildlife Ecology University of Florida USA	Dec 2025
<i>Dissertation: Phenology and mammal dynamics in a North American boreal forest</i>	
PGD International Wildlife Conservation Practice University of Oxford UK	Sep 2014
<i>Project: Predator-prey co-occurrence in the eastern plains of Cambodia</i>	
M.Sc. Environmental Management Pokhara University Nepal	Aug 2006
<i>Thesis: Status of common leopard in Kunjo Village, Mustang District, Nepal</i>	
B.Sc. Physics University of North Bengal India	Apr 2002
<i>Courses: Mathematical Physics, Quantum physics, Solid state physics</i>	

EXPERIENCE

Graduate Assistant | University of Florida | USA Jan 2022 – Dec 2025

- *Assisted Dr. Madan Oli to design and execute Wildlife Population Ecology Course, especially the lab sessions.*
- *Served as Research Assistant to Dr. Madan Oli for 2 semesters during which one manuscript was published.*

Director | Wildlife Conservation | Friends of Nature | Nepal Oct 2015 – Jun 2021

- *Designed and executed >7 wildlife monitoring programs across Nepal.*
- *Secured approximately \$150,000 in competitive funding to support research and conservation initiatives across multiple projects and donor platforms.*
- *Authored over 15 peer-reviewed journal articles contributing to the fields of wildlife ecology, conservation biology, and applied ecology.*
- *Mentored undergraduates and graduate students (>10) in their research.*

Conservation Biologist | Friends of Nature | Nepal May 2008 – Sep 2015

- *Led and contributed to >12 research expeditions across Nepal.*
- *Secured approximately \$100,000 in competitive funding to initiate wildlife research.*
- *Authored over 5 peer-reviewed journal articles resulting from ecological research.*

Field Biologist | Bird Conservation Nepal | Nepal Oct 2006 – Oct 2007

- *Undertook nesting survey of endangered vulture species in lowland Nepal.*
- *Collaborated with Department of Drugs and veterinarians to phase out drug diclofenac.*
- *Sensitize veterinarians and local people regarding the harmful impact of the drug diclofenac and promote safer alternatives.*

MENTORSHIP AND STUDENT ENGAGEMENT

Graduate Teaching Assistant | University of Florida 2022 – 2025

- *Designed and delivered lecture materials and lab sessions on population ecology to undergraduate and graduate students.*
- *Facilitated the learning of ~100 students by simplifying complex population ecology concepts into accessible, problem-solving frameworks.*

Lead Trainer | Wildlife Research Techniques Training | Friends of Nature 2012 – 2021

- *Trained ~150 university students on wildlife research and survey techniques.*
- *Provided intensive, six-month mentorship to 10 undergraduate and graduate students, guiding them in the development and execution of independent wildlife research projects, from hypothesis formulation to field implementation.*

PUBLICATIONS (SELECTED)

- 2025 Ghimirey, Y., Kenney, A., Krebs, C.J. & Oli, M.K. 2025. Seasonal coat colour moulting phenology of Snowshoe Hares in a Yukon boreal forest undergoing climate change. *Royal Society Open Science*. 12: 250662.
- 2025 Khatiwada, M.P., Kunkel, K., Wright, W., Acharya, B., Aung, S.S., Bhumpakhan, N., Cheng., T.C., Davis, C., Ean, T.P., Ferraz, K, Ghaskadbi, P., **Ghimirey, Y.**, et al. 2025. A multi-scale environmental niche model for the endangered dhole (*Cuon alpinus*). *Oryx*. doi:10.1017/S0030605324001510.
- 2024 Ghimirey, Y., Acharya, R. & Mintz, J. 2024. Factors affecting mammalian occupancy and species richness in Annapurna Conservation Area, Nepal. *Ecology and Evolution*. 14: e70572.
- 2024 Ghimirey, Y., Acharya, R., Yadav, K., Rai, J., Baral, R., Neupane, U., Basnet, B., Gilbert, M., Poudel, S. & Rensburg, B.J.V. 2024. Challenges and possible conservation implications of recolonizing dholes in Nepal. *Oryx*. doi:10.1017/S003060532300073X
- 2023 Ghimirey, Y., Tietje, W.D., Polyakov, A.Y., Hines, J.E. & Oli, M.K. 2023. Decline in small mammal species richness in coastal-central California. *Ecology and Evolution*. 13:e10611.
- 2022 Pokharel, M., A. Subba, D. Rai, S. Bhandari, & **Y. Ghimirey**. 2022. Fine-Scale Ecological and Anthropogenic Variables Predict the Habitat Use and Detectability of Sloth Bears in the Churia Habitat of East Nepal. *Ecology and Evolution*. 12: e8512.
- 2021 Shrestha, A., Liang, D., Qu, Y., **Ghimirey, Y.**, Panthi, S., Innes, J.L. & Wang, G. 2021. Mapping distribution and identifying gaps in protected area coverage of vulnerable clouded leopard (*Neofelis nebulosa*) in Nepal: Implications for conservation management. *International Journal of Geoheritage and Parks*. 9 (4): 441-449.
- 2020 Borzée, A., McNeely, J., Magellan, K., Miller, J.R.B., Porter, L., Dutta, T., Kadinjappalli, K.P., Sharma, S., Shahabuddin, G., Aprilinayati, F., Ryan, G., Hughes, A., Mutalib, A.H.A., Wahab, A.Z.A., Bista, D., Chavanich, S.A., Chong, J.L., Gale, G., Ghaffari, H., **Ghimirey, Y.**, et al. 2020. COVID-19 Highlights the Need for More Effective Wildlife Trade Legislation. *Trends in Ecology and Evolution*. 35, 1052–1055.
- 2017 Ghimirey, Y. & Acharya, R. 2017. The Vulnerable clouded leopard *Neofelis nebulosa* in Nepal: an update. *Oryx*, 52: 166-170.
- 2015 Acharya, R., **Ghimirey, Y.**, Werhahn, G., Kusi, N., Adhikary, B. & Kunwar, B. 2015. Wild yak *Bos mutus* in Nepal: rediscovery of a flagship species. *Mammalia*, 80: 475-480.

In Review

- Ghimirey, Y., Kenney, A., Krebs, C.J., Hines, J.E. & Oli, M.K. Predator-Prey interactions under changing climate in a Yukon boreal forest undergoing climate change (Under review at *The Journal of Animal Ecology*).
- Ghimirey, Y., Kenney, A., Krebs, C.J., Hines, J.E. & Oli, M.K. Mammalian community under changing environment in a north American boreal forest (Under review at *Oikos*).

Ghimirey, Y., Yadav, K., Ghimire, B., Sapkota, S. & Acharya, R. Unlikely comeback and potential challenges of Asiatic wild dog recolonization in Annapurna conservation area, central Nepal (Under review at *Global Ecology and Conservation*).

Ghimirey, Y. & Giordano, A. Odds stacked against dhole for their comeback? (Under review at *Conservation Biology*).

IUCN Red List Assessments

2025 Petersen, W.J., Coudrat, C.N.Z., Dhendup, T., **Ghimirey, Y.**, Gray, T.N.E., Shariff, M., Montgomery, C., Mukherjee, S., Rahman, H. & Kun, S. 2025. *Catopuma temminckii*. The IUCN Red List of Threatened Species 2025: e.T4038A245236583.

2023 Shivakumar, S., Kshetry, A., Surve, N., Rahman, H., **Ghimirey, Y.**, Tharchen, L., Zaw, T., Waseem, M. & Jhala, Y. 2023. *Panthera pardus fusca*. The IUCN Red List of Threatened Species 2023: e.T215195524A215195533.

2022 Ghimirey, Y., Petersen, W., Jahed, N., Akash, M., Lynam, A.J., Kun, S., Din, J., Nawaz, M.A., Singh, P., Dhendup, T., Marcus, C., Gray, T.N.E. & Phyo Kyaw, P. 2022. *Prionailurus bengalensis*. The IUCN Red List of Threatened Species 2022: e.T223138747A223178117.

2021 Gray, T., Borah, J., Coudrat, C.N.Z., **Ghimirey, Y.**, Giordano, A., Greenspan, E., Petersen, W., Rostro-García, S., Shariff, M. & Wai-Ming, W. 2021. *Neofelis nebulosa*. The IUCN Red List of Threatened Species 2021: e.T14519A198843258.

Conservation Action Plans

2020 DNPWC & DFSC 2020. Owl Conservation Action Plan for Nepal 2020-2029. Department of National Parks and Wildlife Conservation and Department of Forests and Soil Conservation. Kathmandu, Nepal.

2018 DNPWC & DFSC 2018. Pheasant Conservation Action Plan for Nepal (2019-2023). Department of National Parks and Wildlife Conservation and Department of Forests and Soil Conservation. Kathmandu, Nepal

AWARDS AND GRANTS (SELECTED)

Doris Lowe and Earl and Verna Lowe Scholarship CALS, UF \$2000 <i>College of Agriculture and Life Sciences, University of Florida</i>	2025
Travel Grant American Society of Mammalogists \$800 <i>For fieldwork on snowshoe hares in Kluane lake region, Yukon, Canada</i>	2025
Grant-in-Aid of Research American Society of Mammalogists \$2,000 <i>Molting phenology of snowshoe hares in Kluane lake region, Yukon, Canada</i>	2024
Third Prize Poster Competition Forestry Graduate Student Association UF <i>Challenges of recolonizing dholes in Annapurna Conservation Area, Nepal</i>	2024
World Owl Hall of Fame International Owl Center (https://bit.ly/2AJGe8x) <i>For significant contribution to owl research and conservation</i>	2020

Research Grant Panthera USA \$14,750	2020
<i>Ecology of clouded leopards in Annapurna Conservation Area, Nepal</i>	
Conservation Grant European Outdoor Conservation Association €30,000	2019
<i>Clouded leopard conservation, Nepal</i>	
Research/Conservation Grant People's Trust for Endangered Species, UK £20,000	2019
<i>Ecology of recolonizing dholes in Annapurna Conservation Area, Nepal</i>	

SCIENCE COMMUNICATION

Books

<i>Befriending the whistling wild dogs</i> (Looking for publisher)	2025
<i>The friendly clouded leopard</i> Friends of Nature, Nepal and EOCA, Switzerland	2023
<i>Status of Owls (in Nepali)</i> Friends of Nature and Rufford Foundation, UK	2020
<i>Owls of Nepal (in Nepali)</i> Friends of Nature and Rufford Foundation, UK	2020

Popular Articles

<i>Nepal's Environmental Impact non-Assessments</i> <i>The Nepali Times</i>	2020
<i>Saving Nepal's last wild dogs</i> <i>The Nepali Times</i> (http://bit.ly/3XhGbrA)	2019
<i>Clouded future for the Clouded Leopard</i> <i>The Nepali Times</i> (https://bit.ly/4icdTqI)	2018
<i>Limi Valley: A threatened Shangri-La for wildlife</i> <i>Mongabay</i> (https://bit.ly/41aqqUu)	2018
<i>The remote trans-Himalayan landscapes of Limi valley, Humla district</i> <i>Birding Asia</i>	2016

TRAININGS/WORKSHOPS

CMR and Occupancy Models for Ecology University of Florida	Mar 2023
<i>University of Florida Biodiversity Institute, Gainesville</i>	
Training of Trainers on Wildlife Statistics UWICER, Bhutan & BCSS, Malaysia	Sep 2019
<i>Ugyen Wangchuk Institute of Conservation and Environmental Research, Bhutan and Biodiversity Conservation Society of Sarawak, Malaysia</i>	
Bayesian analysis with JAGS and R UWICER, Bhutan & BCSS, Malaysia	Sep 2018
<i>Ugyen Wangchuk Institute of Conservation and Environmental Research, Bhutan and Biodiversity Conservation Society of Sarawak, Malaysia</i>	

PRESENTATIONS (MOST RECENT)

Oral talk Ecological Society of America Annual Conference Maryland	Aug 14, 2025
<i>"Factors affecting mammal occupancy and richness in Annapurna Conservation Area, Nepal".</i>	
Oral talk American Society of Mammalogists Annual Meeting Purdue	Jun 28, 2025
<i>"Seasonal molting phenology of snowshoe hares in northern Canada under a changing climate".</i>	
Poster presentation USGS Florida Co-op Unit Gainesville	May 16, 2025
<i>"Seasonal molting phenology of snowshoe hares in northern Canada under a changing climate".</i>	
Oral talk The Wildlife Society Annual Conference Maryland	Oct 22, 2024

“Decline in small mammal species richness in coastal central California, 1997-2013”.

PROFESSIONAL SERVICE

Associate Editor | Cat News 2025 –

- *Evaluate submitted manuscripts for relevance, scope, and scientific quality.*
- *Assign reviewers, facilitate communication among authors, reviewers and chief editor.*

Assessor | IUCN Red List Assessment 2015 –

- *Led the IUCN Red List Assessment of mainland leopard cat (2022) and contributed to the Red List Assessment of clouded leopard (2016 and 2021), Indian leopard (2023), Siberian weasel (2024), binturong (2016), large Indian civet (2024) and masked palm civet (2024).*

Reviewer for Journals 2014 –

- *Biodiversity and Conservation, European Journal of Wildlife Research, Taprobanica, Journal of Threatened Taxa, Nepalese Journal of Zoology, Cat News, Small Carnivore Conservation.*

PROFESSIONAL MEMBERSHIP

IUCN/SSC Cat Specialist Group; IUCN/SSC Small Carnivore Specialist Group; Society for Conservation Biology; Ecological Society of America; American Society of Mammalogists; The Civet Working Group