



SHENG LI

CURRICULUM VITAE –June 2021

EDUCATION

- 2002 - 2009 Ph.D. in Zoology, School of Life Sciences, Peking University, Beijing
1998 - 2002 B. S. in Plant Molecular & Developmental Biology, College of Life Science, Peking University, Beijing

PROFESSIONAL APPOINTMENT

- 2015-present **Assistant Professor, PI.** School of Life Sciences, Peking University, China
2011-2014 **Research Associate.** Smithsonian Conservation Biology Institute, Smithsonian Institution, USA.
2011-2013 **Post-doctoral Research Fellow.** Department of Forest and Wildlife Ecology, University of Wisconsin-Madison, USA.
2009-2011 **Visiting Scientist.** Smithsonian Conservation Biology Institute, Smithsonian Institution, USA.

PUBLICATIONS (2015-present)

Peer-reviewed articles (# co-first author; *corresponding author)

2021

Shao X., Lu Q., Xiong M., Bu H., Shi X., Wang D., Zhao J., **Li S.*** & Yao M.* Prey partitioning and livestock consumption in the world's richest large carnivore assemblage. *Current Biology*. Accepted.

Shao X., Lu Q., Liu M., Xiong M., Bu H., Wang D., Liu S., Zhao J., **Li S.*** & Yao M.* Generalist carnivores as effective biodiversity samplers of terrestrial vertebrates. *Frontiers in Ecology and the Environment*. In press.

Bu H., McShea W.J., Wang D., Wang F., Chen Y., Gu X., Jiang S., Zhang F. & **Li S.*** Not all forests are alike: The role of commercial forest in the conservation of landscape connectivity for the giant panda. *Landscape Ecology*. In press.
<https://doi.org/10.1007/s10980-021-01262-2>.

Zhu L., Hughes A.C., Zhao X., Zhou L., Ma K., Shen X., **Li S.**, Liu M., Xu W. & Watson J.E.M. Regional scalable priorities for national biodiversity and carbon conservation planning in Asia. *Science Advances*. Accepted.

Wang F., Winkler J., Vina A., McShea W.J., **Li S.**, Connor T., Zhao Z., Wang D., Yang H., Tang Y. & Liu J. The hidden risk of using umbrella species as conservation surrogates: A spatio-temporal approach. *Biological Conservation* 253: 108913.

Kong Y., **Li S.***, Liu B., Zhou J., Li C. & Yu J. The distribution records and conservation status of Chinese pangolin (*Manis pentadactyla*) in China during 2010-2020. *Biodiversity Science*. In press. (in Chinese with English abstract)

Li S.*, Feng J., Li B. & Lu Z. The Giant Panda National Park: Experiences and lessons learned from the pilot. *Biodiversity Science* 29(3): 307-311. (in Chinese)

Li Z., Duo L., **Li S.*** & Wang T.* Competition and coexistence among terrestrial mammalian carnivores. *Biodiversity Science* 29(1): 81-97. (in Chinese with English abstract)

Chen X., Guan T.*, Jiang W., Li D., Yang K. & **Li S.*** Distribution and population status of bovine species in China based on bibliometric analysis. *Biodiversity Science* 29(5): 668-679. (in Chinese with English abstract)

Liu M., Chen X., Lou X., Li Y., Jiang W., Yang K., **Li S.*** & Guan T.* Group composition and seasonal changes of Bharal (*Pseudois nayaur*) in Wanglang National Nature Reserve, China. *Acta Theriologica Sinica* 41(3): 321-329. (in Chinese with English abstract)

Shi X-G.#, Shi X-Y.#, Hu Q., Feng X., Jin S., Cheng Y., Zhang J., Yao M. & **Li S.*** Spatiotemporal relationships between snow leopard (*Panthera uncia*) and red fox (*Vulpes vulpes*) in Qionglai Mountains, Sichuan Province. *Acta Theriologica Sinica* 41(2): 115-127. (in Chinese with English abstract)

Shen X., **Li S.** & Ma K. Experiences of and suggestions for the development of the Qianjiangyuan-Baishanzu National Park pilot. *Biodiversity Science* 29(3): 315-318. (in Chinese)

Han S., Lu D., Meng H., Leong C., Liu Y., Song D., **Li S.** & Luo S. A new record of mammal from the Beijing-Tianjin-Hebei Metropolitan Region of North China-*Mustela altaica*. *Acta Theriologica Sinica* 41(3): 361-364. (in Chinese with English abstract)

2020

Li S., McShea W., Wang D., Gu X., Zhang X., Zhang L. & Shen X. Retreat of large carnivores across the giant panda distribution range. *Nature Ecology & Evolution* 4: 1327-1331.

Shen X. # , **Li S. #** , McShea W., Wang D., Yu J., Shi X., Dong W., Mi X. & Ma K. Effectiveness of management zoning designed for flagship species in protecting sympatric species. *Conservation Biology* 34(1): 158-167.

Fan F., Bu H., McShea W., Shen X., Li B. & **Li S***. Seasonal habitat use and activity patterns of blood pheasant *Ithaginis cruentus* in the presence of free-ranging livestock. *Global Ecology and Conservation* 23: e01155.

Yang R., Cao Y., Hou S., Peng Q., Wang X., Wang F., Tseng T-H., Yu L., Carver S., Convery I., Zhao Z., Shen X., **Li S.**, Zheng Y., Liu H., Gong P. & Ma K. Cost-effective priorities for the expansion of global terrestrial protected areas: setting post-2020 global and national targets. *Science Advances* 6: eabc3436.

Li J., Weckworth B., McCarthy T., Liang X., Liu Y., Xing R., Li D., Zhang Y., Xue Y., Jackson R., Xiao L., Cheng C., **Li S.**, Xu F., Ma M., Yang X., Diao K., Gao Y., Song D., Nowell K., He B., Li Y., McCarthy K., Paltsyn M., Sharma K., Mishra C., Schaller G., Lu Z., Beissinger S. Defining priorities for global snow leopard conservation landscapes. *Biological Conservation* 241: 108387.

Shang X., Luo C., Li B., Zheng Y., Zhou Z., Zhang L. & **Li S***. Diversity and fauna composition of birds in the Wanglang National Nature Reserve, Sichuan. *Sichuan Journal of Zoology* 39(1): 93-106. (in Chinese with English abstract)

Zhao L. # , Liu M. # , Luo C., Bu H., Ma D., Shang X. & **Li S***. Daily activity rhythm of *Ithaginis cruentus* in the Wanglang National Nature Reserve, Sichuan. *Sichuan Journal of Zoology* 39(2): 121-128. (in Chinese with English abstract)

Chen X., Hu X., Liu M., Li J., Peng Y., Lü X., Wang X., **Li S.*** & Guan T*. Preliminary report of camera-trapping survey for mammals and birds in Miyaluo Provincial Nature Reserve, Sichuan Province. *Acta Theriologica Sinica* 40(6): 634-645. (in Chinese with English abstract)

Li S.* Development progress and outlook of the wildlife camera-trapping networks in China. *Biodiversity Science* 28(9): 1045-1048. (in Chinese)

Li S.*, McShea W., Wang D., Shen X., Bu H., Guan T., Wang F., Gu X., Zhang X. & Liao H. Construction progress of the Camera-trapping Network for the Mountains of Southwest China. *Biodiversity Science* 28(9): 1049-1058. (in Chinese with English abstract)

McShea W., Shen X., Liu F., Wang T., Xiao Z. & **Li S.*** China's wildlife camera-trap monitoring needs a unified standard. *Biodiversity Science* 28(9): 1125-1131. (in Chinese and English)

Duan F. & **Li S.*** The status, distribution patterns, and conservation gap for bird diversity in the Yellow River basin, China. *Biodiversity Science* 28(12): 1459-1468. (in Chinese with English abstract)

Ye L., Li W-H., Li C., Zeng Z-P., Luo J. & **Li S.*** Camera-trapping survey of the mammal community structure and the spatial utilization of wild boar (*Sus scrofa*) in Wutong Mountain, Shenzhen. *Chinese Journal of Zoology* 55(6): 702-711. (in Chinese with English abstract)

Zhao Y., Shen X., **Li S.**, Zhang Y., Peng R. & Ma K. Progress and outlook for soundscape ecology. *Biodiversity Science* 28(7): 806-820 (in Chinese with English abstract).

Shen X., Yu J., **Li S.**, Xiao H., Chen X., Chen S., Liu M. & Ma K. Progress overview of the camera-trapping monitoring platform for the Qianjiangyuan National Park, Zhejiang Province. *Biodiversity Science* 28(9): 1110-1114. (in Chinese with English abstract)

Wan Y., Li J., Yang X., **Li S.** & Xu H. Progress of the China mammal diversity observation network (China BON-Mammal) based on camera-trapping. *Biodiversity Science* 28(9): 1115-1124. (in Chinese with English abstract)

2019

Bu H., Shen X. & **Li S.*** Predation patterns on artificial nests of ground nesting pheasants in the montane forest, Southwest China. *Acta Ornithologica* 54(1): 35-43.

Dong L., Luo H. & **Li S.*** Golden jackal (*Canis aureus*) recorded in Jilong County, Tibet. *Acta Theriologica Sinica* 39(2): 224-226. (in Chinese with English abstract)

Qian H., Yu J., Shen X., Ding P. & **Li S.*** Diversity and composition of birds in the Qianjiangyuan National Park pilot. *Biodiversity Science* 27(1): 76-80. (in Chinese with English abstract)

Wang Y. # , **Li S. #** , Liu W., Zhu X. & Li B. Coat pattern variation and activity rhythm of Asiatic golden cat (*Catopuma temminckii*) in Yarlung Zangbo Grand Canyon National Nature Reserve of Tibet, China. *Biodiversity Science* 27(6): 638-647. (in Chinese with English abstract)

Shi X., Shi X., Hu Q., Guan T., Fu Q., Zhang J., Yao M. & **Li S.*** Evaluating the potential habitat overlap and predation risk between snow leopards and free-range yaks in the Qionglai Mountains, Sichuan. *Biodiversity Science* 27(9): 951-959. (in Chinese with English abstract)

Yu J., Wang J., Xiao H., Chen X., Chen S., Li S.* & Shen X.* Camera-trapping survey of mammalian and avian biodiversity in Qianjiangyuan National Park, Zhejiang Province. *Biodiversity Science* 27(12): 1339-1344. (in Chinese with English abstract)

Wang Y., Liu W., Liu F., **Li S.**, Zhu X., Jiang Z., Feng L. & Li B. Investigation on the population of wild Bengal tiger (*Panthera tigris tigris*) in Medog, Tibet. Acta Theriologica Sinica 39(5): 504-513. (in Chinese with English abstract)

Yu J., Shen Y., Song X., Chen X., **Li S.** & Shen X. Evaluating the effectiveness of functional zones for black muntjac (*Muntiacus crinifrons*) protection in the Qianjiangyuan National Park pilot site. Biodiversity Science 27(1): 5-12. (in Chinese with English abstract)

Shao X., Song D., Huang Q., **Li S.** & Yao M. Fast surveys and molecular diet analysis of carnivores based on fecal DNA and metabarcoding. Biodiversity Science 27(5): 543-556. (in Chinese with English abstract)

Liu Y. #, Li X. #, Liang X., Liu Y., Cheng C., Li J., Tang P., Qi H., Bian X., He B., Xing R., **Li S.**, Shi X., Yang C., Xue Y., Lian X., Awangjiumei, Xierannima, Song D., Xiao L., Lu Z. Where and How many? The status of snow leopard (*Panthera uncia*) density surveys and knowledge gaps in China. Biodiversity Science 27(9): 919-931. (in Chinese with English abstract)

Li X. #, Xiao L. #, Liang X., Cheng C., Feng C., Zhao X., Liu Y., Bian X., He B., Zhang C., Alexander J., Xing R., Huang Y., Awangjiumei, Xierannima, Song D., Huang Q., Zhaxisange, Peng K., Yin H., Lian X., Yang X., **Li S.**, Shi X., Yang C. & Lu Z. Ongoing threats and the current status of snow leopard conservation in China. Biodiversity Science 27(9): 932-942. (in Chinese with English abstract)

Lu Q., Hu Q., Shi X., Jin S., **Li S.** & Yao M. Metabarcoding diet analysis of snow leopards (*Panthera uncia*) in Wolong National Nature Reserve, Sichuan Province. Biodiversity Science 27(9): 960-969. (in Chinese with English abstract)

Liu S., Zhao L., Chen S., **Li S.**, Tang M., Liu Y. & Liao R. A new distribution of *Ochotona erythrotis* found in the Qionglai and Minshan Mountains, Sichuan Province. *Journal of Sichuan Forestry Science and Technology* 40(6): 1-5. (in Chinese with English abstract)

2018

Zhang L., Wang Q., Yang L., Li F., Chan B., Xiao Z., **Li S.**, Song D., Piao Z. & Fan P. The neglected otters in China: distribution change in the past 400 years and current conservation status. Biological Conservation 228: 259-267.

Fang G., Li M., Liu X., Guo W., Jiang Y., Huang Z., Tang S., Li D., Yu J., Jin T., Liu X., Wang J., **Li S.**, Qi X. & Li B. Preliminary report on Sichuan golden snub-nosed monkeys (*Rhinopithecus roxellana roxellana*) at Laohegou Nature Reserve, Sichuan, China. Scientific Reports 8: 16183.

Wang F., McShea W.J., **Li S.** & Wang D. Does one size fit all? A multispecies approach to regional landscape corridor planning. *Diversity and Distributions* 24(3): 415-425 (Cover story).

Shi X., Fu Q., Wang L., Jiang Z., Shi X. & **Li S.*** Notes on natural hybridization of Golden Pheasant *Chrysolophus pictus* and Lady Amherst's Pheasant *C. amherstiae* in Anzihe Nature Reserve, Sichuan Province. *Chinese Journal of Zoology* 53(4): 660-663. (in Chinese with English abstract)

Hu Q., Zheng W., Li J., **Li S.**, Yang H., Chen X. & Guan T. Preliminary survey on mammal and bird diversity at Siguniang Mountains Nature Reserve, Sichuan, China. *Biodiversity Science*. 26(12): 1325-1331. (in Chinese with English abstract)

Li J., Xu H., Wan Y., Sun J., **Li S.** & Cai L. Progress in construction of China Mammal Diversity Observation Network (China BON-Mamals). *Journal of Ecology and Rural Environment* 34(1): 12-19. (in Chinese with English abstract)

Sun J., Li J., Wan Y., **Li S.**, Guan T., Wang J., Xia W. & Xu H. Study on the activity rhythms of nine ungulates in summer and autumn in Sichuan. *Journal of Ecology and Rural Environment* 34(11): 1003-1009. (in Chinese with English abstract)

2017

Li B., Pimm S.L., **Li S.**, Zhao L. & Luo C. Free-ranging livestock threaten the long-term survival of giant pandas. *Biological Conservation* 216: 18-25.

Wang W., Qiao Y., **Li S.**, Pan W. & Yao M. Low genetic diversity and strong population structure shaped by anthropogenic habitat fragmentation in a Critically Endangered primate, *Trachypithecus leucocephalus*. *Heredity* 118: 542-553.

Yu H., Song S., Liu J., **Li S.**, Zhang L., Wang D. & Luo S. Effects of the Qinghai-Tibet Railway on the landscape genetics of the endangered Przewalski's gazelle (*Procapra przewalskii*). *Scientific Reports* 7: 17983.

Xiong M., Wang D., Bu H., Shao X., Zhang D., **Li S.**, Wang R. & Yao M. Molecular dietary analysis of two sympatric felids in the Mountains of Southwest China Biodiversity Hotspot and conservation implications. *Scientific Reports* 7: 41909.

Laguardia A., Kamler J.F., **Li S.**, Zhang C., Zhou Z. & Shi K. The current distribution and status of leopards *Panthera pardus* in China. *Oryx* 51(1): 153-159.

Zhu S., Duan F. & **Li S.*** Promoting diversity inventory and monitoring of birds through the camera-trapping network in China: status, challenge and future outlook. *Biodiversity Science* 25(10): 1114-1122. (in Chinese with English abstract)

Shi X., Hu Q., Li J., Tang Z., Yang J., Li W., Shen X. & **Li S.*** Camera-trapping survey of the mammal and bird diversity in Wolong National Nature Reserve, Sichuan Province. *Biodiversity Science* 25(10): 1131-1136. (in Chinese with English abstract)

Yu J., Qian H., Chen X., **Li S.** & Shen X. Daily activity pattern of Silver Pheasant (*Lophura nycthemera*) using camera-traps. *Chinese Journal of Zoology* 52(6): 937-944. (in Chinese with English abstract)

2016

Bu H., Wang F., McShea W.J., Lu Z., Wang D. & **Li S.*** Spatial co-occurrence and activity patterns of mesocarnivores in the temperate forest of SW China. *PLoS ONE* 11(10): e0164271.

Bu H., Hopkins III J.B., Zhang D., **Li S.**, Wang R., Yao M. & Wang D. An evaluation of hair-snaring devices for small-bodied carnivores in Southwest China. *Journal of Mammalogy* 97: 589-598.

Xiong M., Shao X., Long Y., Bu H., Zhang D., Wang D., **Li S.**, Wang R. & Yao M. Molecular analysis of vertebrates and plants in scats of leopard cats (*Prionailurus bengalensis*) in Southwest China. *Journal of Mammalogy* 97: 1054-1064.

Zhang D., Xiong M., Bu H., Wang D., **Li S.**, Yao M. & Wang R. Sex identification of the masked palm civet (*Paguma larvata*) using noninvasive hair samples. *Conservation Genetics Resources* 8: 207-209.

Li S. *, Wang D., Bu H., Liu X. & Jin T. Camera-trapping survey on the mammal diversity of the Laohegou Nature Reserve, Sichuan Province. *Acta Theriologica Sinica* 36(3): 282-291. (in Chinese with English abstract)

He B., Sun R., Chen P., Dong W., Wang J., Wang D. & **Li S. *** Baseline survey of mammal and bird diversity using camera-trapping in the Changqing National Nature Reserve of Shaanxi Province. *Acta Theriologica Sinica* 36(3): 348-356. (in Chinese with English abstract)

Chen S., Yu J., Chen X., Shen X., **Li S.** & Ma K. Camera-trapping survey on the diversity of mammal and pheasant species in Gutianshan National Nature Reserve, Zhejiang Province. *Acta Theriologica Sinica* 36(3): 292-301. (in Chinese with English abstract)

2015

Shen X., **Li S.***, Wang D. & Lu Z. Viable contribution of Tibetan sacred mountains in Southwestern China to forest conservation. *Conservation Biology* 29(6): 1518-1526.

Wang F., McShea W.J., Wang D. & **Li S.*** Shared resources between giant panda and sympatric wild and domestic mammals. *Biological Conservation* 186: 319-325.

Guan T., Wang F., **Li S.*** & McShea W. J. Nature reserve requirements for landscape-dependent ungulates: the case of endangered takin (*Budorcas taxicolor*) in Southwestern China. *Biological Conservation* 182: 63-71.

Book & Monograph

Liu S., Wu Y., **Li S.** (chief editor). 2020. Handbook of the Mammals of China (2nd edition). The Straits Publishing and Distributing Group: Fuzhou, China.

Liu S., Wu Y. (chief editor), **Li S.** (deputy editor), et al. 2019. Handbook of the Mammals of China. The Straits Publishing and Distributing Group: Fuzhou, China.

McShea W.J., **Li S.**, Shen X., Wang F. & Wang D. 2018. Guide to the Wildlife of Southwest China. Smithsonian Institution Scholarly Press: Washington DC, USA.

China Wildlife Conservation Association. Editorial board member. 2018. Snow Leopard in China. China Photographic Publishing House: Beijing, China. (in both English and Chinese)

Other Publication

Li S. 2017. Asiatic black bear: catching a glimpse. *Forest and Humankind* 326: 30-39.

Li S. 2015. Revealing the secrets of panda habitat through infrared camera. *Giant Panda* 37: 30-47.

Li S. 2015. Asiatic golden cats wondering at Old Creek. *Forest and Humankind* 297: 90-91.

Li S. 2015. Eyes in the jungle: recording the nature of wildlife. *Forest and Humankind* 297: 44-49. (Cover Story)

SERVICE AND PROFESSIONAL ACTIVITIES

Committee Service

IUCN Species Survival Commission. Member and species assessment specialist.
Cat Specialist Group (2009-present), Bear Specialist Group (2018-present), Deer Specialist Group (2013-present), Dhole Working Group (2014-present)

Society Affiliations

China Zoological Society. Board member (2019-present)
Mammalogical Society of China. Board member (2018-present)
Zoological Society of Beijing. Board member (2018-present)

Editorial Services

Associate editor: *Biodiversity and Conservation* (2018 IF=3.142) (2020-present)
Review editor: *Frontiers in Conservation Science* (2020-present)
Associate editor, editorial board member: *Acta Theriologica Sinica* (2018-present)
Associate editor, editorial board member: *Biodiversity Science* (2017-present)

Grant & Journal Review

Grant Reviewer: HongKong Ocean Park Conservation Foundation, Zhilan Foundation.
Invited Journal Reviewer: *Biological Conservation*, *Conservation Biology*, *Landscape Ecology*, *Ecological Modeling*, *Global Ecology & Conservation*, *Oryx*, *Mammalian Biology*, etc.



YUEQIAO KONG

CURRICULUM VITAE –June 2021

EDUCATION

2017 - 2021 B. S. in Zoology, School of Life Sciences, Peking University, Beijing
Ph.D. candidate in Zoology, School of Life Sciences, Peking University, Beijing

PROFESSIONAL EXPERIENCE

2019 - 2020 Study the effect of hemispheric lateralization on antipredator behavior of the Himalayan Marmot (*Marmota himalayana*) in Sanjiangyuan National Park as undergraduate research projects.
2020 - 2021 Diet analysis of the Chinese mountain cat (*Felis bieti*) in Qilian Mountains, Qinghai Province.
2021-present Study the ecology and conservation of Chinese mountain cat (*Felis bieti*)

ACTIVITIES

2018 - 2019 Served as the president of the Green Life Student Association of Peking University (a student club dedicated to protecting biodiversity).
2019 - 2021 Join Beijing Feiyu Volunteer Association and volunteer as a bird tour.
2019 - 2021 As a volunteer to teach junior high school students science class.

HONORS & AWARDS

2018 - 2019 Excellent Youth League Cadre; Excellent Student Cadre; Zhang Yun Scholarship
2019 - 2020 Study Excellence Award; Leo KoGuan Scholarship
2020 - 2021 Shen Tong Scholarship; Outstanding Graduate of Beijing