

DI ZENG

Zhejiang A&F University

ORCID: 0000-0003-2780-3738 | [Email: zengdi@zafu.edu.cn](mailto:zengdi@zafu.edu.cn) | [Website](#)

EDUCATION

Zhejiang University <i>Ph.D., College of Life Sciences</i>	Hangzhou, China 09/2013 – 03/2019
Purdue University <i>Visiting Ph.D. Student, Department of Forestry and Natural Resources</i>	West Lafayette, IN, USA 09/2017 – 09/2018
Northeast Forestry University <i>B.A., College of Wildlife Resource</i>	Harbin, China 09/2009 – 06/2013

WORK EXPERIENCE

Zhejiang A&F University <i>Lecturer, College of Forestry and Biotechnology</i>	Hangzhou, China 08/2024 – Now
East China Normal University <i>Postdoc fellow, School of Ecological and Environmental Sciences</i>	Shanghai, China 08/2021 – 07/2024
Zhejiang University <i>Postdoc fellow, College of Life Sciences</i>	Hangzhou, China 04/2019 – 07/2021

PEER-REVIEWED PUBLICATIONS FROM 2019

For a full list of publications, click on my Google Scholar or ResearchGate.

#Co-first authors, *Corresponding or Co-Corresponding authors

- Zhao, Y.[#], **Zeng, D.**[#], Matthews, T.J., Craven, D., Tingley, M., Wang, S., Li, S., Ding, P., Si, X.* (2025) Island biogeography and life-history traits stabilize island bird communities. *Global Change Biology*, 31(10), e70535.
- Liu, X., **Zeng, D.**, Zhao, Y., Li, S., Wang, S., Li, B., Yuan, X., Dalsgaard, B., Si, X.* (2025) Contrasting effects of habitat fragmentation on community stability of breeding and wintering birds in urban green spaces. *Urban Forestry & Urban Greening*, 112, 128961.
- Zeng, D.**, Matthews, T.J., Wang, R., Zhao, Y., Yan, C., Ding, P., Si, X.* (2025) Defaunation erodes the diversity of rodent personality traits in fragmented forests. *Journal of Animal Ecology*, 94(10), 2047-2061.
- Zhu, C., Dalsgaard, B., Li, W., Kaiser-Bunbury, C.N., Simmons, B.I., Ren, P., Zhao, Y., **Zeng, D.**, Gonçalves, F., Zhang, X., Chang, L., Ding, P.*, Si, X.* (2025) Interconnecting fragmented forests: Small and mobile birds are cornerstones in the plant–frugivore meta-network, *PNAS*, 122(7), e2415846122.
- Si, X.*, Jin, T., Li, W., Ren, P., Wu, Q., **Zeng, D.**, Zhang, X., Zhao, Y., Zhu, C., Ding, P.* (2024) TIL20: A review of island biogeography and habitat fragmentation studies on subtropical reservoir islands of Thousand Island Lake, China. *Zoological Research: Diversity and Conservation*, 1(2), 89-105.
- Zhao, Y., Mendenhall, C., Matthews, T., Wang, D., Li, W., Liu, X., Tang, S., Han, P., Wei, G., Kang, Y., Wu, C., Wang, R., **Zeng, D.**, Frishkoff, L., Si, X.* (2024) Land-use change interacts with island biogeography to alter bird community assembly. *Proceedings of the Royal Society B: Biological Sciences*, 291, 20232245.
- Liu, X., Zhao, Y., **Zeng, D.**, Yang, Y., Li, W., Kang, Y., Wei, G., Yuan, X., Bo, S., Si, X.* (2023) Characterizing bird species for achieving the win-wins of conserving biodiversity and enhancing regulating ecosystem services in urban green spaces. *Urban Forestry & Urban Greening*, 87, 128064.
- Ren, P., Didham, R.K., Murphy, M.V., **Zeng, D.**, Si, X., Ding, P.* (2023) Forest edges increase pollinator network robustness to extinction with declining area. *Nature Ecology & Evolution*, 7(3), 393-404.
- Wang, D., Zhao, Y., Tang, S., Liu, X., Li, W., Han, P., **Zeng, D.**, Yang, Y., Wei, G., Kang, Y., Si, X.* (2023) Nearby large islands diminish biodiversity of the focal island by a negative target effect. *Journal of Animal Ecology*, 92(2), 492-502.
- Zhu, C., Li, W., Gregory, T., Wang, D., Ren, P., **Zeng, D.**, Kang, Y., Ding, P., Si, X.* (2022) Arboreal camera trapping: a reliable tool to monitor plant–frugivore interactions in the trees on large scales. *Remote Sensing in Ecology and Conservation*, 8(1), 92-104.

11. Liu, J., Xia, S., **Zeng, D.**, Liu, C., Li, Y., Yang, W., Yang, B., Zhang, J. *, Slik, F., Lindenmayer, D.B. (2022) Age and spatial distribution of the world's oldest trees. *Conservation Biology*, 36(4), e13907.
12. Liu, J., MacDonald, Z.G., Si, X., Wu, L., **Zeng, D.**, Hu, G., Ding, P., Yu, M.* (2022) SLOSS-based inferences in a fragmented landscape depend on fragment area and species–area slope. *Journal of Biogeography*, 49(6), 1075-1085.
13. Li, W., Zhu, C., Grass, I., Vázquez, D.P., Wang, D., Zhao, Y., **Zeng, D.**, Kang, Y., Ding, P., Si, X.* (2022) Plant-frugivore network simplification under habitat fragmentation leaves a small core of interacting generalists. *Communications Biology*, 5(1), 1214.
14. **Zeng, D.**, Galetti, M., Liu, J., Jin, T., Zhao, Y., Ding, P.* (2022). Size-related seed use by rodents on early recruitment of *Quercus serrata* in a subtropical island forest. *Forest Ecology and Management*, 503, 119752.
15. Li, J., Dirzo, R., Wang, Y., **Zeng, D.**, Liu, J., Ren, P., Zhong, L., Ding, P.* (2021) Rapid morphological change in a small mammal species after habitat fragmentation over the past half-century. *Diversity and Distributions*, 27(12), 2615-2628.
16. **Zeng, D.**, Jin, T., Zhao, Y., Yan, C., Zhang, Z.* , Ding, P.* (2021) Rodent abundance triggered switch between the relative mutualism and predation in a rodent–seed system of the subtropical island forest. *Integrative Zoology*, 16, 109-119.
17. Chen, C., **Zeng, D.**, Zhao, Y., Wu, Y., Xu, J., Wang, Y.* (2019) Correlates of extinction risk in Chinese endemic birds. *Avian Research*, 10, 8.
18. **Zeng, D.**, Swihart, R., Zhao, Y., Si, X., Ding, P.* (2019) Cascading effects of forested area and isolation on seed dispersal effectiveness of rodents on subtropical islands. *Journal of Ecology*, 107, 1506-1517.

GRANTS

- 2021–2024, National Natural Science Foundation of China, Youth Program (No. 32101268), Individual-based network of rodents on subtropical forest islands, Amount: ¥300,000, PI
- 2022–2024, China Postdoctoral Science Foundation, General Program (No. 2022M711170), Effects of rodent personality on seed dispersal in Thousand Island Lake, China, Amount: ¥80,000, PI
- 2019–2021, China Postdoctoral Science Foundation, General Program (No. 2019M662031), Trophic niche of rodents on subtropical forest islands, Amount: ¥80,000, PI

PRESENTATIONS FROM 2019

1. **Zeng, D.**, Habitat fragmentation and defaunation reduced the diversity of rodent personality traits, The 4th Academic Symposium of the Biogeography Branch of the China Zoological Society, 2025, Guilin, Guangxi Province, China, November 22-25, 2025. (Oral)
2. **Zeng, D.**, Cascading effects of defaunation on personality diversity in small mammals in subtropical reservoir islands, Island Biology 2023, Lipari, Messina Province, 3-7 July, 2023. (Oral)
3. **Zeng, D.**, Zhao, Yuhao, Ding, Ping, Si, Xingfeng, Partitioning extirpation and colonisation components of avian beta diversity on land-bridge islands, International Ornithological Congress 2022, Virtual Platform of IOCongress, 15-19 August, 2022. (Oral)
4. **Zeng, D.**, Ding, Ping, Seed predation and dispersal by rodents in fragmented habitats, 2020 Symposium on Animal-Plant Interactions under Global Change, Kunming, Yunnan Province, China, 15-19 August, 2020. (Oral)
5. **Zeng, D.**, Cascading effects of habitat fragmentation on seed dispersal effectiveness of rodents, The 18th National Congress of Members and the 24th Annual Academic Conference of the China Zoological Society, Xi'an, Shaanxi, China, 23-25 August, 2019. (Oral)

PROFESSIONAL SERVICE

Reviewer

- *Journal of Animal Ecology, Method Ecology and Evolution, Biological Conservation, Journal of Biogeography, Forest Ecology and Management, Ecological Indicators, Integrative Zoology, PeerJ, Avian Research, Ornithology, Wildlife Letters*

Professional Affiliations

- 2024-2026 Committee Member of the 7th Youth Working Committee, Zhejiang Ecological Society
- 2025-Now Deputy Secretary-General, Zhejiang Ecological Society