

Seung-Yun Baek

email: altaica09@gmail.com

Education

Ph.D. Candidate in Ecology

Apr 2022-

present

Tokyo University of Agriculture and Technology, Japan

Thesis: Movement ecology of Asian black bear (Proposed submission Dec 2024)

M.S. in Ecology

2020-2022

Tokyo University of Agriculture and Technology, Japan

Thesis: What factors affect the distribution expansion of large mammals in central and southern parts of Japan?

B.A. in Biology

2013-2019

Jeju National University, Republic of Korea

Peer-Reviewed Publications

Published/In Press

- N Maeda, **SY Baek**, K Tochigi, T Naganuma, & S Koike. "Feeding Habits of Japanese Serow in a Warm-Temperate, Low-Elevation, Evergreen Broad-Leaved Shrub-Dominated Forest" *Mammal Study* (2024)
- **SY Baek**, A Shimazaki, A Zedrosser, T Naganuma, K Yamazaki, & S Koike. "Response to human-modified landscape of an apex consumer: Sex-and season-related variations in road selection and movement pattern" *Global Ecology and Conservation* (2023)
- M Tanaka, **S Baek**, K Tochigi, T Naganuma, A Inagaki, BS Dewi, & S Koike. "Conditions affecting ant nesting in stumps in a temperate coniferous planted forest" *Forest Ecology and Management* (2023)
- S Osugi, **S Baek**, T Naganuma, K Tochigi, ML Allen, & S Koike. "The effect of decreasing human activity from COVID-19 on the foraging of fallen fruit by omnivores" *Ecology and Evolution* (2022)
- S Chowdhury, ..., **SY Baek**, ..., & Tatsuya Amano. "Growth of non-English-language literature on biodiversity conservation" *Conservation Biology* (2022)
- **SY Baek**, T Iwasaki, K Yamazaki, T Naganuma, A Inagaki, K Tochigi, ML Allen, C Kozakai, & S Koike. "Factors affecting pre-denning activity in Asian black bears" *Mammal Study* (2021)
- **SY Baek**, MH Lee, YS Kim, SR Bae, UR Song, & CK Kang. "Selective oviposition by Oriental fire-Bellied Toads in temporally fluctuating environments" *Current Herpetology* (2021)
- **SY Baek** & SM Lee. "Temporal Patterns and Hotspot Identification of Vehicle Collisions with the Roe Deer (*Capreolus Pygargus*) on Jeju Island, South Korea" *Pakistan Journal of Zoology* (2021)
- H Park, A Lim, TY Choi, **SY Baek**, EG Song, & YC Park. "Where to spot: individual identification of leopard cats (*Prionailurus bengalensis euptilurus*) in South Korea" *Journal of Ecology and Environment* (2019)

Under review

- **SY Baek**, T Amano, M Akasaka, & S Koike. "Large terrestrial mammals resurging in a depopulating country" in (2024)
- **SY Baek**, A Zedrosser, K Yamazaki, Y Goto, N Takekoshi, & S Koike. "Risky behavior differs between sex and season in a landscape fragmented by roads" in (2024)
- C Grilo, ..., **SY Baek**, ..., & P Colombo. "Global Roadkill Data: a data set on terrestrial vertebrate mortality caused by collision with vehicles" in (2024)

In preparation

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Conference Presentations

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| • 28th International Association for Bear Research and Management (IBA) conference, Edmonton, Canada (Talk) | Sep 2024 |
| • The 2024 Annual Meeting of the Mammal Society of Japan, Hyogo, Japan (Poster) | Sep 2024 |
| • The 2023 Annual Meeting of the Mammal Society of Japan, Okinawa, Japan (Poster) | Sep 2023 |
| • 13th International Mammalogical Congress (IMC), Alaska, U.S (Poster) | Jul 2023 |
| • Gordon Research Conference (GRC): Movement Ecology of Animals, Lucca, Italy (Poster) | May 2023 |
| • Gordon Research Seminar (GRS): Movement Ecology of Animals, Lucca, Italy (Poster) | May 2023 |
| • The 2022 Annual Meeting of the Mammal Society of Japan, Mie, Japan (Poster) | Aug 2022 |
| • The 76th Annual Meeting of the Korean Association of Biological Sciences, Seoul, Republic of Korea (Poster) | Aug 2021 |

Research & Work Experience

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| • Visiting Researcher, University of South-Eastern Norway, Norway
(Supervisor/Collaborator: Andreas Zedrosser) | Mar-Jun 2024 |
| • Investigator, National Institute of Ecology, Republic of Korea
-Research on Reinforcing Ecological Network Connectivity | 2022-2024 |
| • Field technician, National Institute of Ecology, Republic of Korea
-Nationwide Natural Environment Survey (Mammals) | 2018-2019 |
| • Sergeant, Army, Republic of Korea
Military Service | 2015-2017 |
| • Field assistant, National Institute of Ecology, Republic of Korea
-Demilitarized Zone (DMZ) Ecosystem Survey
-Nationwide Invasive Species Survey (<i>Nutria Myocastor coypus</i>) | 2015 |
| • Field assistant, The Biodiversity Foundation, Republic of Korea
-Distribution boundary survey for Amur goral (<i>Naemorhedus caudatus</i>) | 2015 |
| • Field assistant, UNESCO World Natural Heritage Mt. Hallasan research centre, Republic of Korea
-Population and density estimation for Roe deer (<i>Capreolus pygargus</i>) | 2014 |

Grants & Awards

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| • Best Presentation Award
- The 2024 Annual Meeting of the Mammal Society of Japan | 2024 |
| • FLOuRISH Fellowship for Support for Pioneering Research Initiated by the Next Generation (SPRING)
- Tokyo University of Agriculture and Technology | 2022-2025 |
| • Academical Talented Student Scholarship
- Jeju National University | 2018 |
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