

Hee Han

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Current Position

Researcher and Graduate Student, Insect Phylogeny and Evolution Lab, Jeonbuk National University, Korea.
2024–present

Education

M.S.A., Jeonbuk National University, Korea 2024–present
Advisor: Prof. Dr. Sora Kim
B.S.A., Jeonbuk National University, Korea 2018–2024

Experiences

Researcher, Insect Phylogeny and Evolution Lab, Jeonbuk National University 2024–present
Advisor: Prof. Dr. Sora Kim
Undergraduate student, Insect Phylogeny and Evolution Lab, Jeonbuk National University 2023–2024
Advisor: Prof. Dr. Sora Kim
Visiting Researcher, Natural History Museum of Jeonbuk National University 2021–2022
Principal Collaborator: Ms. Ji-in Yang
Undergraduate student, Insect Taxonomy Lab, Jeonbuk National University 2021–2022
Advisor: Prof. Dr. Yong Hong
Excellence Poster Presentation Prize, 2024 Autumn Conference of Korean Society of Applied Entomology (Hwaseong, South Korea) 2024
Excellence Insect Photophraphy Prize, 2024 Autumn Conference of Korean Society of Applied Entomology (Hwaseong, South Korea) 2024
Excellence Oral communication Prize, 2025 Fall International Conference of Korean Society of Applied Entomology (Jeju, South Korea) 2025

Publications

3. **Han, H.** & Kim, S. (2025) A new subspecies of *Avitta fasciosa* Moore, 1882 (Lepidoptera, Erebidae) from Korea. *Biodiversity Data Journal*. 13: e176317. DOI: <https://doi.org/10.3897/BDJ.13.e176317>

2. **Han, H.** & Kim, S. (2025) First records of genera *Chrysopera* Hampson, 1894 and *Entomogramma* Guenée, 1852 of the subfamily Erebinae (Lepidoptera, Erebidae) from South Korea. *Biodiversity Data Journal*. 13:e139471. DOI: <https://doi.org/10.3897/BDJ.12.e139471>

1. **Han, H.**, Ulzijargal, B., Kim, S. (2024) Taxonomic Review of the Genus *Thyas* Hübner (Lepidoptera: Noctuoidea: Erebidae) from Korea, including the First Description of *T.coronata*. *Korean Journal of Applied Entomology*. 63(1): 5-11. DOI: <https://doi.org/10.5656/KSAE.2024.01.1.048>

Scientific Communications

8. **Han, H.**, Plotkin, D., Masonick, P. K., Kawahara, A. Y., & Kim, S. (2025) Phylogenomics of the family Erebidae (Lepidoptera, Noctuoidea). 2025 Fall International Conference of Korean Society of Applied Entomology (Jeju, South Korea). [Oral communication]

7. **Han, H.** & Kim, S. (2025) Revealing evolutionary trajectories of the family Erebidae (Insecta: Lepidoptera) based on existing phylogeny. The 80th Annual Meeting of the Korean Association of Biological Sciences (Seoul, South Korea). [Poster]

6. **Han, H.** & Kim, S. (2025) First records of two species within the subfamily Erebinae (Lepidoptera, Erebidae) from the Korean Peninsula. Spring Conference of Korean Society of Applied Entomology & The Entomological Society of Korea 2025 (Hongcheon, South Korea). [Poster]

5. **Han, H.** & Kim, S. (2024) Pictorial key of underwing moths (Lepidoptera: Erebidae: *Catocala*) from Korean Peninsula. Autumn Conference of Korean Society of Applied Entomology 2024 (Hwaseong, South Korea). [Poster]

4. **Han, H.** & Kim, S. (2024) Species diversity comparisons of subtropical and tropical Lepidoptera in Vietnam: Noctuoidea fauna and flora. Spring Conference of Korean Society of Applied Entomology & The Entomological Society of Korea 2024 (Cheongju, South Korea). [Poster]

3. **Han, H.** & Kim, S. (2023) A historical review of the classification of subfamily Erebinae (Lepidoptera: Erebidae) in Korea. Autumn Conference of Korean Society of Applied Entomology 2023 (Pyeongchang, South Korea). [Oral communication]

2. **Han, H.**, Ulzijargal, B., Kim, S. (2023) The first record of *Thyas coronata* (Fabricius, 1775) (Lepidoptera: Noctuoidea: Erebidae) in Korean Peninsula. Spring Conference of Korean Society of Applied Entomology & The Entomological Society of Korea 2023 (Cheongju, South Korea). [Poster]

1. **Han, H.** & Kim, S. (2022) Discovery of Butterflies (Lepidoptera from Bach Ma National Park in Souther Vietnam. Autumn Conference of Korean Society of Applied Entomology 2022 (Gyeongju, South Korea). [Poster]

Fundings

As A Collaborator

7. Transcriptome-Based Phylogenetic Analysis and Inference of Defense Mechanism Evolution in the Ditrysia (Lepidoptera), National Research Foundation of Korea 2024.04–2025.03

6. Honam National Institute of Biological Resources's Native Species Survey Project, Honam National Institute of Biological Resources 2024.04–2024.12

5. 2024 New and Emerging Pest Occurrence and Ecological Survey, Korea Forestry Promotion Institute 2024.04–2024.12

4. AI-based Plant Disease Monitoring and Precision Diagnosis Technology Development, Jeonbuk National University 2023.07–2023.12

3. AI-based Pest and Disease Management System, Korea Institute of Planning and Evaluation for Technology in Food, Agriculture and Forestry 2023.06–2023.12

2. Species delimitation, Gene-correlation and Biogeography of the genus *Promalactis* (Lepidoptera: Oecophoridae) based on Wing pattern evolution, National Research Foundation of Korea 2022.03–2023.05

1. Phylogeography of earthworm in enchytraeid group (Clitellate: Enchytraeidae), National Research Foundation of Korea 2021.04–2022.02

Research interests

1. Many intriguing taxa and their evolutionary history
2. Integrative phylogenetics with fossil data, ecological data, and various types of molecular data and methods
3. Combining other biological fields' methods with phylogeny and taxonomy to resolve scientific problems