

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

Experience

Researcher, Insect Phylogeny and Evolution Lab, Jeonbuk National University 2024–present
Advisor: Dr. Sora Kim
Undergraduate student, Insect Phylogeny and Evolution Lab, Jeonbuk National University 2023–2024
Advisor: 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: Dr. Yong Hong
Excellence Poster Presentation Prize, 2024 Autumn Conference of Korean Society of Applied Entomology (Hwaseong, South Korea) 2024
Excellence Insect Photography Prize, 2024 Autumn Conference of Korean Society of Applied Entomology (Hwaseong, South Korea) 2024

Publications

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>
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>

Scientific Communications

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]
2. **Han, H.**, Ulzijargal, B., Kim, S. (2023) The first record of *Thyas coronata* (Fabricius, 1775) (Lepidoptera: Noctuoidea: Erebidia) in Korean Peninsula. Spring Conference of Korean Society of Applied Entomology & The Entomological Society of Korea 2023 (Cheongju, South Korea). [Poster]
3. **Han, H.**, Kim, S. (2023) A historical review of the classification of subfamily Erebiniae (Lepidoptera: Erebidiae) in Korea. Autumn Conference of Korean Society of Applied Entomology 2023 (Pyeongchang, South Korea). [Oral communication]
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]
5. **Han, H.**, Kim, S. (2024) Pictorial key of underwing moths (Lepidoptera: Erebidiae: *Catocala*) from Korean Peninsula. Autumn Conference of Korean Society of Applied Entomology 2024 (Hwaseong, South Korea). [Poster]

Fundings

As A Collaborator

1. Phylogeography of earthworm in enchytraeid group (Clitellate: Enchytraeidae), National Research Foundation of Korea 2021.04–2022.02
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
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
4. AI-based Plant Disease Monitoring and Precision Diagnosis Technology Development, Jeonbuk National University 2023.07–2023.12
5. 2024 New and Emerging Pest Occurrence and Ecological Survey, Korea Forestry Promotion Institute 2024.04–2024.12
6. Honam National Institute of Biological Resources's Native Species Survey Project, Honam National Institute of Biological Resources 2024.04–2024.12
7. Transcriptome-Based Phylogenetic Analysis and Inference of Defense Mechanism Evolution in the Ditrysia (Lepidoptera), National Research Foundation of Korea 2024.04–2025.03

Research interests

1. Phylogenomics of Lepidoptera (especially Noctuoidea, Erebidiae) and their high biodiversity
2. Coevolution of Lepidoptera and Angiosperm
3. Evolutionary study by integrative approach with fossil data, ecological data of insects, and gene families that can be constructed from omics data
4. Biogeography

5. Population genetics and species delimitation for detecting over- or underestimation of specific species