Hee Han

MSA Student, Insect Phylogeny and Evolution Lab
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ResearchGate ORCiD Personal Website

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 Photoraphy Prize, 2024 Autumn Conference of Korean Society of Applied Entomology (Hwaseong, South Korea)   2024

Publications

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

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: Erebidea) 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. Disclosing the secrets of way high biodiversity within lepidopteran insects
2. Coevolution of insects, plants, and microorganisms
3. Evolutionary study by integrative approach with fossil records, ecological features, and omics data
4. Biogeography
5. Population genetics and species delimitation for detecting over- or underestimation of specific species