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Taxonomy and Phylogeny of Genus *Heterobasidion* in South Korea

Yeongseon Jang¹, Seokyoon Jang¹, Young Woon Lim², Changmu Kim³, and Jae-Jin Kim¹⁺

¹Division of Environmental Science & Ecological Engineering, Korea University.
²School of Biological Sciences, Seoul National University, ³National Institute of Biological Resources

In South Korea, three species of *Heterobasidion*, *H. annosum*, *H. araucariae* and *H. insulare* have been recorded. However, these species have not been found in the neighboring countries such as China and Japan. For resolving this matter, a total of 11 materials of *Heterobasidion* spp. from South Korea were gathered and morphologically examined. Species descriptions from the previous studies were referred if the materials were not available. Phylogenetic analyses using ITS and TEF gene sequences were also performed to infer the species relationships of the Korean *Heterobasidion* spp with their allied species. Through the morphological investigations and phylogenetic analyses we found that specimens recorded as *H. annosum* and *H. araucariae* are actually *H. ecrustosum*, and the ones recorded as *H. insulare* are actually *H. orientale*. The two recognized species are described and illustrated.

Keywords: Bondarzewiaceae, phylogeny, polypore, taxonomy

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*Hypochnicium pini*, a New Corticioid Basidiomycete in East Asia

Yeongseon Jang¹, Sung Wook Lee¹, Young Woon Lim², Jin Sung Lee³, Nils Hallenberg⁴, and Jae-Jin Kim¹⁺

¹Division of Environmental Science & Ecological Engineering, Korea University,
²School of Biological Sciences, Seoul National University, ³National Institute of Biological Resources, ⁴Department of Biological and Environmental Sciences, Sweden

A new species, *Hypochnicium pini* sp. nov. is described based on morphological and molecular characteristics. This species was collected in Seoul, Korea and Hubei, China. It belongs to the *Hypochnicium punctulatum* group and morphological features are quite similar to the sister taxon, *Hypochnicium cremicolor*. However, the thickness of basidiome, the size of cystidia, and the ITS region sequences were sufficiently distinct from the sister taxon. Detailed description and illustration of *H. pini* are presented and a key to Korean species of *Hypochnicium* is provided.

Keywords: phylogeny, Polyporales, taxonomy