Summary: We report new records of pteridophytes in Myanmar: Abrodictyum idoneum (C. V. Morton) Ebihara & K. Iwats. (Hymenophyllaceae) and Thelypteris calcarata (Blume) Ching (Thelypteridaceae) in Kachin State; and Pteris henryi Christ (Pteridaceae) in Mandalay Division.

The ferns of Myanmar (previously known as Burma) were first documented by Dickason (1946), who reported 460 species of pteridophytes belonging to 104 genera, with 140 species listed as first records. Recently, 12 species of pteridophytes (including four new species) have been reported from Kyaik-Hti-Yoe Wildlife Sanctuary and Natma Taung National Park in Chin State (Nwe 2009, Nwe et al. 2016). Khine et al. (2017) listed 299 species belonging to 72 genera and 24 families of lycophytes and pteridophytes from Northern Myanmar including new records.

In this study, the specimens collected since 2002 through plant inventory research conducted under a Memorandum of Understanding between the Forest Department, Ministry of Natural Resources and Environmental Conservation, Myanmar and the Kochi Prefectural Makino Botanical Garden, Japan, were investigated. As a result, we report new records of Abrodictyum idoneum (C. V. Morton) Ebihara & K. Iwats. (Hymenophyllaceae) and Thelypteris calcarata (Blume) Ching (Thelypteridaceae) in Kachin State, and Pteris henryi Christ (Pteridaceae) in Mandalay Division, Myanmar. Voucher specimens were deposited in the Herbaria of the Kochi Prefectural Makino Botanical Garden (MBK) and the Forest Research Institute (RAF), Myanmar.

The locality of Abrodictyum idoneum is northernmost and Pteris henryi is westernmost of their respective distributions.

Hymenophyllaceae


Trichomanes bifidum C. Presl, Hymenophyllaceae: 43 (1843), non Willd. (1810).


Specimens examined: MYANMAR. Kachin State. West of Shinbweyan, 26°41′44″–57°N 96°11′13″–23′E, alt. 200–250 m, 8 Dec. 2005 (J. Murata & al. 040743, MBK, RAF); northeast of Shinbweyan, 26°41′51″–43′12″N 96°12′27″–13′6″E, alt. 170–200 m. Wet cliff beside stream, 9 Dec. 2005 (J. Murata & al. 041305, MBK, RAF).

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