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Nickel Hyperaccumulation in *Bornmuellera kiyakii* Aytaç & Aksoy and Associated Plants of the Brassicaceae from Kızıldağ (Derebucak, Konya-Turkey)

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Abstract: Recent exploration of an area of ultramafic geology in south-western Turkey led to the discovery and description of a new species, *Bornmuellera kiyakii* Aytaç & Aksoy (Brassicaceae). This was of particular interest to us because of the earlier discovery of nickel hyperaccumulation (Ni concentrations exceeding 0.1% of plant dry weight) in 6 other taxa in this small genus from Albania, Greece, and Turkey. We report herein that *B. kiyakii* is also a Ni hyperaccumulator, based on a population near Çamlık that showed a mean Ni concentration exceeding 8000 mg kg⁻¹ of dried leaf material. Several other members of the Brassicaceae at the same site-species of *Alyssum* L., *Pseudosempervivum* (Boiss.) Grossh. (formerly in *Cochlearia* L.) and *Thlaspi* L.-also act as Ni hyperaccumulators.

Key Words: *Bornmuellera*, nickel, hyperaccumulation

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