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PTERIDOFITAS EXTINTAS O RARAS DEL VALLE DE MÉXICO  
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### Abstract

The Valle de México have 113 species of pteridophytes, 18 species are extinct in the zone and 19 species are rare or few frequent, belong 23 genera and 37 species according IUCN (1994). We revised 1400 specimens of pteridophytes collected in fields and exemplaries of national and international herbarium as ENCB, MEXU, CHAPA, P, K, LP, SI, MO. We found some species which were living in the zone in the century XIX and first middle century XX and now these species there are not in the area as *Adiantum capillus-veneris* L., *Asplenium exiguum* Beddome, *Asplenium palmeri* Maxon, *Blechnum glandulosum* Kaulf. & Link, *Cheilanthes mexicana* Davenp., *Cheilanthes microphylla* (Sw.) Sw., *Cheilanthes notholaenoides* (Desv.) Maxon & Weath., *Pityrogramma ebenea* (L.) Proctor, *Polypodium polypodioides* (L.) Watt var. *aciculare* Weath., *Polypodium rosei* Maxon, *Psilotum nudum* (L.) Beauvais, *Selaginella peruviana* (Milde) Hieron., *Selaginella wrightii* Hieron., *Selaginella arsenei* Weath., *Terpsichore delicatula* (M. Martens & Galeotii) A.R. Sm. and *Woodsia mexicana* Fée, the vouchers of these specimens were realized in place now occupied by colonies and commercial centers. The aquatic habitats and the aquatic pteridophytes were disappearing as *Azolla mexicana* C. Presl, *Marsilea mollis* B.L. Robinson et Fernald. Some species as *Anogramma leptophylla* (L.) Link, *Asplenium filillosum* Pringle & Davenp. & Davenp., *Athyrium bourgeoui* E. Fourn., *Blechnum stoloniferum* (Mett. & E. Fourn.) C. Chr., *Bommeria subpalacea* Maxon, *Botrychium schaffneri* Underw. var. *schaffneri*, *Campyloneurum amphostenon* (Kunze & Klotzsch) Fée, *Elaphoglossum engelii* (H. Karst.) H. Christ., *Elaphoglossum erinaceum* (Fée) T. Moore var. *occidentale* Mickel, *Elaphoglossum glaucum* T. Moore, *Elaphoglossum minutum* (Pohl & Fée) T. Moore, *Isoetes mexicana* Underw., *Pecluma alfredii* (Rosenst.) M.G. Price var. *cupreolepis* (A.M. Evans) A.R. Sm., *Plagiogyra pectinata* (Liebm.) Lellinger, *Polypodium californicum* Kaulf., *Polystichum fourrieri* A.R. Sm., *Polystichum rachichlaena* Fée, *Selaginella delicatissima* Linden ex A. Braun, *Selaginella rupicola* Underw., *Thelypteris puberula* (Baker) C.V. Morton var. *puberula* were collected during years 1960 to 1985 and after there are not found in the zone, but there are ambiental conditions and can be collected other time. Collects of Schaffner, Pringle, Purpus, Lyonnet, show pteridophytes from Mixcoac, Tlalpan, Pedregal de San Angel, Santa Fe, and now there are not more. These show biodiversity lost of 32.7% of species in less than a century.

### Keywords

Pteridophytes, rare, extinct, Valle de México.

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