Scrophularia clematidifolia (Scrophulariaceae) has been rediscovered in Hatay, Turkey. It is closely related to Scrophularia scopolii var. nusairiensis, but it clearly differs from the other species in terms of leaves, inflorescence and fruit features. A taxonomic description, some photographs of the species, geographical distribution and habitat features are given. Additionally, seed macromicromorphology and pollen characteristics of S. clematidifolia are compared with the close relative species using light microscopy (LM) and scanning electron microscopy (SEM).