

Dynamics of Plant Communities with *Chamaerops humilis* in the Region of Tlemcen

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Abstract : The region of Tlemcen (west Algeria) is known by their very important floral diversity bound to the conjugation of the multiple factors. *Chamaerops humilis* covers a big surface in this region, which appears in the majority of the cases in the form of more or less degraded matorral. Our work is dedicated to the comparative analysis of the groupings in chamaeropaie of the mounts of Tlemcen and mounts of traras, based on a phytoécologique approach. Four representative stations of chamaeropaies were retained to make this work. 120 floristic surveys were realized by using a minimal area of 100 m². The obtained results show that the Mounts of Tlemcen present a wealth more important than those met at the level of the Mounts of Traras. More we go away from the coast towards the Mounts of Tlemcen, we notice a regressive evolution and a transformation of the plant carpet towards a thérophytisation, as well as an accentuation of the aridity.

Keywords : Tlemcen, west Algeria, *Chamaerops humilis* L., phytoécologique, floristic survey, thérophytisation

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