Canaphalium Achyrocline in

treatments from extracts of these plants.

SUR; OHV +3/& '\$' DQG SDWWHUQ UHFRJQLWLRQ WHFKQLTXHV

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plants of the genera and has belonging to the family are used in various parts of the world as medicinal plants due to their recognized applications in the therapeutic treatment of various pathological conditions. Additionally, it has been found that its extracts have activities such as antioxidants, anti-in ammatory, antimicrobial and even anti-tumor. Several species belonging to these genera have similar morphological characteristics which lead to sometimes confused between these gen there are, however, signi cant di erences in the class and quantity of avonoids and other molecules with biological potential present in them. In this work a chromatographic study was performed by HPLC-DAD, for the leaf and ower ketone extracts in the species and hathrough which it was possible to establish signal patterns, speci c for each one of them, thus allowing to have a tool for its rapid identication and that it can be used to evaluate the biological potential of other species the family are recognition techniques, it was established that these pro les show signi cant di erences between them, which allows a quick and unambiguous characterization of these species. e methodology developed for the establishment of chromatographic pro les, which includes a gradient with 2% acetic acid and methanol, on a RP-18

column, It also allows the identi cation and quanti cation of at least 10 avonoids that may be present in these species. ese results contribute to the optimization of time and resources around the investigations that will lead to the establishment of therapeutic

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