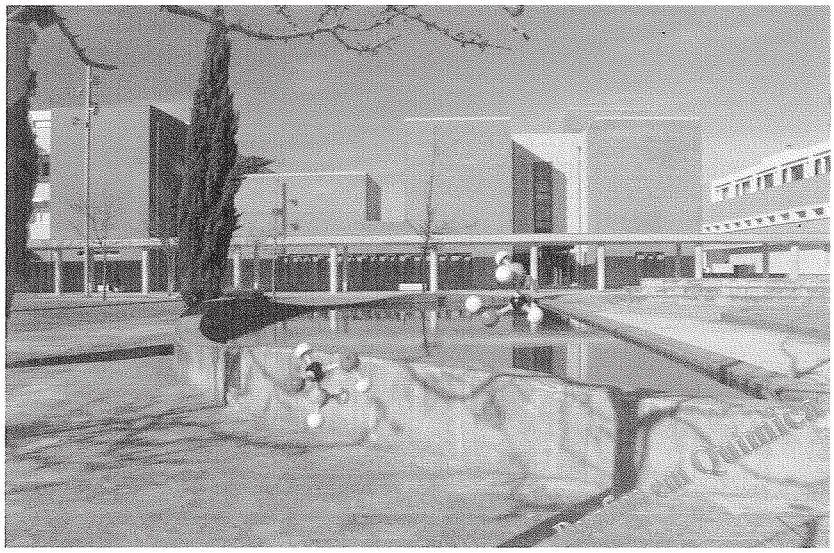
XXIII Encontro Nacional da SPQ



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Antioxidant activity evaluation from *Artemisia gorgonum* extracts

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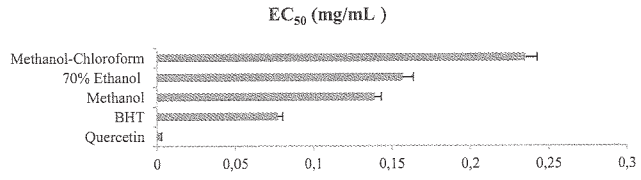
Artemisia gorgonum (Asteraceae) known as "losna or lorna" is used in Cape Verde in traditional medicine to treat inflammation, fever and gastroenteritis.[1]The sesquiterpene lactone ridentin, furofuranlignansesamin and the flavonoid artemetin isolated from *A. gorgonum*showed anti-plasmodium *in vitro* activity.[2,3] Recently, sesquiterpene lactones (*seco*-guaianolides) isolated from this plant, showed higher phytotoxic activity, and the authors suggested that they can be used as inspiration to develop new herbicides.[4]
A few years ago was established that *A. gorgonum* volatile oil displays several biological properties including outstanding antioxidant activity.[5] However, to our best knowledge, no study on the antioxidant potential of other *A. gorgonum* extracts has been published.
Thus, the antioxidant activity of methanol, 70% ethanol, chloroform-methanol and chloroform extracts from *A. gorgonum* leaves was evaluated using the DPPH (2,2-diphenyl-1-picrylhydrazyl) assay.[6] The radical scavenging effect of these extracts willbe presented, discussed and compared with the radical scavenging effects of quercetin and BHT (butylatedhydroxytoluene), used as positive controls.



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