Área: FMG 26

SEASONAL EXTRACT STUDY OF LEAVES Miconia chamissois Naudin

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INTRODUCTION

Miconia chamishais Naudin is a species from the Cerrado known as pixirica, folha de bolo and sabiazeira, present in Vereda's physiognomy. Some species of Melastomataceae family the therapeutic potential as anti-inflammatory, hepatoprotective (Mamat et al 2003, BMC Altern Med Complement), antinoceptive (Zakaria et al 2016, BMC Altern Med Complement) and antimicrobial (Cassiano et al. 2014, Nat Prod Res) due the presence of flavonoids, triterpenes, steroids and tannins. The present study aims to carry out a seasonal evaluation of the The present work aims to carry out a seasonal evaluation of the aqueous extract of leaves of Miconia chamissois

MATERIALS AND METHODS

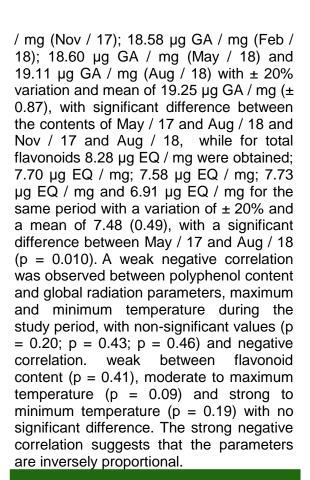
The plant material was collected from May / 17 to August / 18 in Brasilia and deposited esxicata at the University of Brasilia herbarium under the Fagg CW 2358 voucher. The weather data were provided Automatic bv the Agrometeorological Station - FAL / UNB. The dried leaves were extracted by infusion according to pharmacopoeial method (Brasil, 2011). The phytochemical investigation of the extract was performed by measuring the total polyphenol and flavonoid content (Kumazawa et. Al. 2004, Food Chem). Data were statistically analyzed by Kruskal-Wallis and Pearson correlation (r).

RESULT

For polyphenols content were obtained 20.73 µg GA / mg (May / 17); 19.28 µg GA







CONCLUSION

The results corroborate the research related to the species, being observed the presence of characteristic compounds of the Family. Higher polyphenol content was obtained than total flavonoids. A strong correlation was observed between minimum temperature and flavonoid content, however not significant.

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