

Chemical characterization and antioxidant proprieties of Myrciaria jaboticaba bioresidues

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Introduction

Jabuticaba (Myrciaria jaboticaba (Vall.) O. Berg) is a Brazilian berry very appreciated for *in natura* consumption. However, its epicarp is not normally consumed, and in manufacture of products from jabuticaba fruit, it is responsible for the generation of large amounts of residues [1,2]. The aimed in the characterization of the main bioactive compounds

Results

Table 1. Organic acids composition of jabuticaba epicarp.	
Organic acids	g/100 g dw
Oxalic acid	0.481±0.009
Quinic acid	0.554 ± 0.002
Malic acid	1.66 ± 0.01







and $1.2 \pm 0.1 \,\mu$ g/mL, for 120 and 180 min, respectively.

Conclusion

The results obtained in this study allowed to conclude that jabuticaba epicarp is a rich source of bioactive compounds, main anthocyanins, and also exhibits strong antioxidant activity, which makes it suitable to be used as a source of bioactive molecules for both food and pharmaceutical industries.

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