

## EVALUATION OF THE ENZYMATIC PROFILE IN LEAVES OF *Artocarpus heterophyllus* LAM

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The Moraceae family includes about 50 genera and 1500 species, being distinguished amongst the species of economic interest the jackfruit (*Artocarpus heterophyllus* Lam.). This family presents predominantly tropical and subtropical distribution, meeting also in Brazil. Currently she has few studies on the enzymatic activity of this family, ahead of this, objectified yourself to make the enzymatic characterization of the leaves from *A. heterophyllus*. The analyses had been carried out from extracts of the leaves of *A. heterophyllus* situated in the campus of the UFRPE, gotten for the maceration with distilled water, kept under refrigeration. The following determination had been carried out : total protein, proteolytic, chitinolytic ,ascorbate oxidoreductase and catalase activities. The results demonstrated the presence proteolytic (58,07U/mg) and ascorbate oxidase (19,10µmol/min.mg) activities. However, catalase (4,5U/mg) and chitinase (1,46U/mg.min) had been found in lesser values. The dates demonstrate that the leaves of *Artocarpus heterophyllus* presented as source potential of the enzymes which protease and ascorbate oxidoreductase.

**KEYWORD:** *Artocarpus heterophyllus* Lam., leaf, enzymes.

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