CREATION OF SOFTWARE FOR STORAGE OF FUNGI SETTLERS PLANTS OF THE AMAZON

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Resume:

The Amazon region, due to its wide diversity of flora and fauna species has great potential for the discovery of compounds with biotechnological purposes. Diversity that can be analyzed for its evolving role and ecological or as biological resources. Among the elements that constitute it, are endophytic fungi that have submitted numerous applications in several sectors by producing of substances called secondary metabolites, having thus potential, environmental and biotechnological economic. Against the above, research is aimed to the creation of software for cataloging extracted fungal species from three plants (pothomorphe peltata, cyperus rotundus e piper aduncum). For this, the software was created with an application made in Visual Studio 2012, containing database in Microsoft Office Access 2010. For the beginning of the isolation process of the endophytic fungi, the plant material passed by the asepsis process taking as a negative control the collection of 50µL of final water used in the asepsis of the samples, this being plated. So, it was given start to the isolation process containing vegetative parts of the plant leaves, the fragments were inoculated by means of the technique of spread plate in plates of Petri containing cultive medium BDA and incubated at a temperature of 28 ± 2 ° C, for seven days. As for identification, it was used the technique of microcultive, with aid the key proposed by Barnett and Hunter (1972). Then photos were taken an the digital camera of macro and micro colonies. The images were added to the created software, containing information about each fungal genus isolated. After the identification and preparation of the photos, the fungi were stored in Eppendorf and placed in refrigerator. The results were obtained quantified according to each fungal species present in the three plants used, are these: *Penicillium sp., Aspergillus sp., Aureobasidium sp., Alternaria sp, Colletotrichum sp., Acremonium sp.* e *Fusarium sp.*

Keywords: Database; Fungi; Plants; Software.

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