PRODUCTION OF BIOCOMPOSTOS OF INDUSTRIAL INTEREST FOR ISOLATED FUNGI OF THE AMAZON

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The biotechnology consists in the use of cellular systems for economic and social the development of processes and products of interests. Inside of these systems, the fungi are of great interest for use in fermentation for the ability to degrade organic substratum that culminate in the production of metabólitos, as antibiotic, pigments, enzymes, vitamins, beyond others. This work had as objective to select and to investigate the industrial potential of Amazon microorganisms. *Aspergillus* (n = 11), *Fusarium* (n = 5), *Penicillium* (n = 14) and Ascomycota, *Eurotium* (n = 1) had been evoluated how much the antimicrobial and protease activity, in medium solid for method of the block of gelose and cup-plate, respectively. Of the analyzed fungi, 47.83% had presented antimicrobial activity front the *Escherichia coli*, 78.26% *Staphilococcus aureus* and 21.74% the *Mycobacterium smegmatis*. The protease activity was detected in all the anamorfos fungi and *Fusarium* sp.1 was what it demonstrated to greater halo (66 mm) the results had disclosed hat the analyzed anamorfos fungi had presented antimicrobial and proteolítica potentiality.

Supported by: FAPEAM, CNPq, CAPES

Key words - Activity Antimicrobial, Proteases, Amazon, Fungi.