

Titule: PHOTOGRAPHY AS A TEACHING TOOL IN THE STUDY OF FUNGI

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Resumo

In most disciplines, educators are making use of images to illustrate content, of which the picture already brings with it a fundamental concept of reasoning. To make the teaching and learning in a practical way in the disciplines of General Microbiology and Plant Pathology Course agricultural Agricultural Engineering in the IFPA. The objective was to use photography as a tool for the study of pathogenic fungi *Pestalotiopsis* spp, *Colletotrichum* spp., *Phomopsis* spp. and *Moniliophthora perniciosa* present in coconut cultivation, Urucuzeiro and cupuassu respectively. Through the visual diagnosis, the symptoms observed in leaves by students were collected and taken to the microbiology laboratory of the IFPA, where we proceeded to wash and treat the material running water and soap, transition areas between infected and healthy tissue were cut into smaller pieces and transferred to an aqueous solution of 70% alcohol for 1 minute, after disinfect were transferred to a solution of Cl 2 to 0.1% for 1 minute. The fragments were removed and placed in sterile distilled water to eliminate the residual effect of hypochlorite lean and then in filter paper. Three fragments were planted in petri dish containing Potato Dextrose Agar (PDA) and incubated at 25 ° C in BOD to the growth of the organism. After 07 days of incubation, the students consulted the literature and made temporary blades observation under an optical microscope from the colony to determine the causal agent and rank it taxonomically. The study highlighted the Kingdom Fungi, the class of Ascomycetes and mitosporic fungi, their occurrence demonstrations were recorded by means of the symptoms observed in the field as well as the morphological study. The applicability of photography, aroused the curiosity of students and was assessed positively triggering a clinical look and interest in correlated disciplines. The photographs were organized and presented in a show in boundaries institution.

Keywords: photography, fungi, education.