

Title: INTERACTION BETWEEN EDUCATIONAL AND RESEARCH INSTITUTIONS: THE TRAINEE CASE AND ITS RESULTS

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Abstract:

Trainee programs for undergraduate students have the premise to consolidate teaching and learning process through joining common activities students are going to face during a professional life. The same fundamental should guide trainee programs in specific activities such as microbiology. Thereby the present study aims to report a supervised trainee program emphasizing its contribution to academic training and relation to microbiological research in practice. A collaborative consortium has been established between an educational (Universidade Federal do Rondônia) and a research (Embrapa Rondônia) institutions advisors resulting supervised trainee plan for a biological sciences undergraduate student focused on microbiological research. This plan allowed an undergraduate research project sponsored by CNPq (PIBIC program) under orientation and facility support from both institutions aiming to evaluate three fungal *Beauveria bassiana* strains on adults and immature *Musca domestica* flies. A course entitled “Microorganism isolation, maintainance and inoculation techniques” sponsored by Embrapa was essential to reach the goal. Preparing *Beauveria bassiana* isolated strains for field tests on *Cosmopolites sordidus* Germar was also developed during the trainee plan. We highlight the trainee contribution on studying the occurrence of the entomopathogenic fungi *Cordyceps* sp. on coffee diptera pollinators resulting on a research presented as abstract on the V Encontro de Iniciação Científica da Embrapa Rondônia entitled “The coffee pollinator fly *Palpada vinetorum* (Diptera: Syrphidae) and its fungi parasite *Cordiceps* sp. occurrences in Porto Velho, Rondônia”. The partnership between those institutions has been a worthy experience on the academic training complementation. The theory and practice balance enabled by both institutions strongly contributed to the research activities abilities, development in addition to stimulating questioning and interest on microbiological research related topics.

Keywords: academic training, entomopathogen, biological control.