

**TITLE:** DEVELOPMENT OF PEDAGOGICAL TOOLS FOR THE TEACHING OF FOOD MICROBIOLOGY IN THE FIELD OF HEALTH SCIENCES

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**ABSTRACT:**

Upon reaching higher education, it is observed in the classes of Microbiology, that students bring with them the concept of the association between microorganisms and disease-causing beings. Therefore, it is the teacher's job to develop teaching strategies so that students build scientific thinking, making it clear that in the area of food, Microbiology is extremely important not only in health, but also in technology. The subjects of Microbiology aim to enable the student to know and understand the importance of microorganisms and their relationship with consumer health; Their applications in technological procedures, as process aids; And as spoilage agents related to food production. The general objective of this work is the development of pedagogical tools for the teaching of Microbiology, which contribute to the improvement of teaching in the courses of Nutrition, Gastronomy and Food Technology in the area of Health Sciences. The name of "Micro e Ação" is due to its resemblance to a popularly known game. It consists of using letters with words of different categories and degrees of difficulty and a board. Participants play a die, and according to the category drawn, must draw or mimic, the group that reaches the end of the board houses first is the winner. Its development began in March 2016, and consisted of three stages: creation of letters, rules and board; First application in the classroom as a review activity; And corrections and improvements. The game was used at the beginning of the second half of 2016 as an activity to review the discipline of Hygiene and Legislation of the courses of Nutrition and Gastronomy; The practice was well received by the groups, who interacted and took the opportunity to recall the content seen in Food Microbiology. Due to the approval rate of the activity, students of the course of Gastronomy designed and had plasticized a new board to replace the original, made of paper, since the material should be durable for use in all future classes. The improvement of the "Micro e Ação" game was made during the second semester, and besides the new board, plastic cards are also being prepared for application in the classes of Hygiene and Legislation in the year 2017.

**Keywords:** food microbiology, pedagogical tools, teaching