
Leoncio Antole, M. (2018). *Environmental training in protected areas in the Bachelor of Geography Education.* (Tesis de doctorado). Central Institute of Pedagogical Sciences, Habana, Cuba.

Lizzet Debora García-Corona

Universidad de Guantánamo, Cuba

Correo electrónico:

lizet@cug.co.cu

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The thesis under analysis was defended in 2018 by Mercedes Leoncio Antole, with which he obtained the category of Doctor of Pedagogical Sciences, and published that same year by the University publishing house with ISBN 9789591641625

Leoncio is a professor in the Department of Geography at the University of Guantanamo, President of the Antonio Núñez Jiménez Chair of this house of science and progress. He has long investigated issues related to environmental education with results presented at national and international events, and published in Cuban and other national magazines.

The fundamental objective of the research presented by Leoncio in this thesis is the elaboration of a methodological conception that bases points of view, categories and methodological projection for environmental training in protected areas through the Bachelor of Education, specializing in Geography. It is based on theoretical-methodological foundations, on the social nature of education, the necessary environmental training of educators, and field practice as the main route in the relationship University-protected areas.

According to the author, the investigation is based on the fact that:

The process of training education professionals is becoming increasingly necessary environmental education given the importance of training a professional who from the environmental perspective is not only able to assimilate technical, technological and

axiological knowledge, but from certain levels cognitive, procedural and attitudinal domain be able to understand different contexts, establish synergies between environmental academic content and environmental popular in communities in protected areas, so that you can develop specific professional functions related to environmental education with children , adolescents, young people and the general population promoting critical community environmental thinking. (2018, p.1)

The methodological conception proposed by the author was developed from the systematization of the theoretical foundations that support it scientifically, and from the empirical study that allowed obtaining updated information from the diagnosis applied.

The work is structured in three chapters directly related to the central theme, in addition to the general conclusions, recommendations, bibliography and annexes.

In Chapter 1, dedicated to the theoretical systematization of environmental training in the Degree in Geography Education, the regularities that characterize it are determined. The theoretical references of environmental training are addressed, and the potential of field practice in protected areas for the environmental training of students in that career are analyzed.

Chapter 2 offers the results of the diagnosis of the current state of environmental training in protected areas in the Bachelor of Geography Education at the University of Guantánamo, based on the application of different research methods and instruments, their analysis, formulation and the main conclusions that are obtained from him.

The methodological conception for environmental training in protected areas is presented in chapter 3 of the thesis. The fundamentals that support the structure and content of the methodological conception conceived for environmental training in protected areas in the Bachelor of Education Geography are explained, taking into account the results obtained in the previous chapters. The unity between the theoretical and methodological components of conception is demonstrated.

A total of 257 sources with a high level of relevance are cited in the bibliography, which guarantee to establish the most current foundations of research and certify its scientific level.

Leoncio emphasizes that the proposed conception reveals, both in theory and in practice, a possible solution to the problems related to environmental training in protected areas in the Bachelor of Education Geography by considering a new point of view and the set of categories that they are designed to make the contribution systematic.

The application of the methodological conception allowed the researcher to obtain positive results by observing a favorable trend in the process of environmental training in protected areas, where the relationships between the environmental training scenario and the environmental education agents are expressed in the context of the relationship University-protected areas.

The United Nations Educational, Scientific and Cultural Organization (UNESCO) recognizes the accelerated changes that the environment has had in recent years. The methodological conception elaborated with this thesis contributes to the improvement of the environmental dimension in the teaching-learning process of the Geography subject, and to the development of the Life Task (State Plan to face climate change).