

## **ABSTRACT**

The predominant trend in the environmental studies is to monitor the environmental problems and impacts, though it is supposed to focus on attempting to find a balance between the elements of natural and human environments so that neither damages the other, and here lies the essence of sustainable environmental development.

This study begins with an introduction included a definition of the elements of the environment and its relationship to sustainable development in the study area , and contained a set of elements such as: the reasons to choose the topic, the objectives of the study, which can be summarized in linking the aspects of physical and human environments together and its role in sustainable development, the importance of the study area and its spatial and temporal boundaries, study problem and hypotheses, the approaches and methods used and analysis tools, and the difficulties which the study faced.

The First Chapter encompasses the aspects of physical environment as represented by the geology and the topography of the study area, in addition to its climate, soil characteristics and water resources. The First Chapter concludes with the elements of the biological environment represented by the flora and fauna in study area..

The Second Chapter is entitled “Aspects of the Human Environment” and it discusses population growth, population natural increase due to births and deaths, abnormal population change due to migration, population composition and distribution in the study area, as well as the outlook for population change. The Second Chapter studies also the urban and the rural zones in the study area.

The Third Chapter is entitled “Land Use in the Study Area,” and it includes the distribution of the uses in the region and its classification as urban and rural use.

The Fourth and final Chapter analyzes the current development map, surface topography and land use, and attempts to find a connection between them, and also investigates the impact of each one upon the other. It also discusses the environmental impacts of development activities in the area upon the environment and proposes a roadmap for sustainable development in the study area. The Thesis concluded with a set of findings, recommendations and suggestions that aim at realizing the desired scientific benefits and opening new perspectives for the future environmental studies serving the sustainable development.