Sustainable Land Use Model for Shemiranat Region

Mohammadreza Parvizi  
mr.parvizi@gmail.com

Nowadays, the increasing growth of urban population and demand for new buildings from the dwellers are caused for request of new spaces for living and activities in cities and their countries. Therefore, this condition brings about irregular transformations in land uses for response to demands that environment is involved in difficulty from damage and destruction in natural and built environment. When this problem intensively emerges in environment that the Metropolises do not have suitable lands for development or urban environment population reaches to low quality of life condition or some people like to build villa for their holidays. So, people move to countries for taking better life condition and demand lands for construction of new buildings and changing of land uses to another activates. This transformation of land uses mainly occur under no criteria and without taking an consideration of natural potential, social and economical domestic conditions in some of developing countries. Therefore, it is so necessary to be changing of land uses on base of sustainable patterns that they have the least damage in environment. One of these countries is Shemiranat that it is situated in north of Tehran metropolis and area of 1111 square kilometers and its population was also 30398 persons in 1996 year that it predicates to 59400 persons in 2020 year. It is also located on the mountains and remaining parts of plateau. This region is so important for dwellers from Tehran. Because it has natural potentials and suitable land use for eco-tourism and this region provide safe drinking water for Tehran residents and some people are also living in this country. But, their occupation are in Tehran metropolis. The changing of population causes some of environment pollutions such as water pollution, erosion and etc. This paper presents a land use model for Shemiranat region with compatible of social and economical condition and natural potential. In fact, the main argument of this research is a land use model for sustainable environment in Shemiranat. This research also shows suitable territories for agriculture, forest, eco-tourism and urban area and etc. Finally, this paper analyzes and performs overlaying of natural, social and economical maps for taking result by using GIS.