Especially with the industrial revolution, use of fossil fuels, deforestation, agricultural activity, anthropogenic events have caused a dramatic increase in natural transmission gas emissions such as methane and carbon dioxide. This increase occurred in greenhouse gases in the atmosphere, has caused destabilization of the natural greenhouse effect and it has caused the atmosphere become warmer. The global warming potential impact is global climate change in the biosphere. This study discusses effects of global climate change which people expose the earth for the sake of realizing individual purposes over the ecosystem and biological diversity which become lungs of the world. Also, this study emphasizes how climate change based upon anthropogenic activities affects dynamics components of ecosystem and biological diversity in terms of species and habitat (living space). This is tried to reveal effects of habitat division and change based upon ecosystem differentiation over the species which live in aquatic and terrestrial ecosystems and become a piece of nutrition loop.

Key words: Global warming, Climate change, Biodiversity, Ecosystem, Greenhouse effect