**SUMMARY**

**UNDERGRADUATE FINAL PAPER**

**THE IMPACT OF GLOBAL CLIMATE CHANGE ON FORESTS**

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Global warming is one of the most important problems of the twenty-first century. Fossil fuel use, deforestation, and some agricultural and industrial practices, which have increased significantly in recent years, have become one of the biggest problems of today because they cause an increase in greenhouse gases, especially carbon dioxide and methane. Global warming is an issue that has ecological, economic, sociological, and political consequences. In coming decades, the damage caused by climate change could cause forests to release large amounts of carbon, thereby accelerating warming rather than slowing it down. As a result of climate change and the resulting changes in temperature and precipitation, forests will be damaged by factors such as fire, drought, soil loss and insect damage. The effect of global warming on forests will be investigated by compiling the studies done so far in the literature. As a result of these research, what needs to be done to protect our forests from the effects of climate change has been researched and prepared in order to ensure the continuity of our forests, which must be sustainable.

**Key Words:** "Global warming, Forest, Climate change, Temperature"