

## **Abstract**

This research explores the relationship between global trade and sustainability, focusing on the role of environmental regulations in shaping trade patterns and practices. As international trade expands, the environmental impacts of production, transportation, and consumption become increasingly significant. This study examines how different countries' environmental policies and regulations influence global trade flows, with particular attention to industries such as agriculture, manufacturing, and energy that have high environmental footprints.

The quantitative phase of the study utilizes econometric models to analyze the relationship between trade volumes and the strength of environmental regulations across various countries and sectors. By examining trade data and environmental policy indicators, the research assesses whether stricter environmental regulations lead to shifts in trade patterns, such as changes in production locations or the adoption of cleaner technologies. The analysis also evaluates the potential trade-offs between economic growth and environmental sustainability, providing insight into the economic consequences of environmental policies.

In the qualitative phase, the study includes interviews with policymakers, industry leaders, and environmental advocates to understand the motivations and challenges behind implementing environmental regulations in trade contexts. These insights help to clarify the practical implications of balancing trade liberalization with environmental protection. By combining quantitative and qualitative methods, the research offers a comprehensive view of how global trade and environmental sustainability can coexist and shape future trade policies.