# ANALYSIS OF MOBILE APPLICATIONS THAT CONTRIBUTE TO REDUCING FOOD WASTE

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**Abstract**: *The main objective of this research paper is to identify the mobile applications that contribute to reducing food waste (FW) and to identify their role in this process.*
*FW refers to food designated for human consumption that is wasted or lost. This includes not only unfinished meals at restaurants and leftovers dismissed of at home, but also raw materials and produce lost during farming, harvesting, transportation, and storage processes.*

## • Introduction

With the population expanding and climate change degrading extensive areas of previously arable land globally, it is imperative to provide a sustainable food supply worldwide. This involves recognizing and minimizing the substantial quantity of food we waste. Food waste (FW) refers to food designated for human consumption that is wasted or lost. This includes not only unfinished meals at restaurants and leftovers dismissed of at home, but also raw materials and produce lost during farming, harvesting, transportation, and storage processes.

## • Material and method

This research paper analyzed external data from third parties, data from relevant organizations in the field of competence and scientific papers by consecrated authors. The external data was obtained through accessing scholarly databases like Web of Science, ResearchGate and Google Scholar.

## • Results and discussions

Currently, more and more consumers are using apps that help them track the food in their fridge and remind them when it's about to expire. These strategies not only help keep food fresh for longer but also contribute to reducing food waste, promoting more responsible and sustainable consumption.

1. **Expiry Date Reminder**

This application allows users to log food items and receive notifications before the expiration date.

## • Conclusions

In conclusion, mobile applications facilitate the connection between food suppliers and consumers. They contribute to reducing waste at points of sale, enhancing social awareness, and promoting a sustainable approach to food. Therefore, they serve in reducing food waste and minimizing its adverse effects on the natural environment.