

## **Sustainable Food Systems and the Importance of Food Safety in Ensuring Sustainability**

**Authors :** Özlem Turan, Şule Turhan

**Abstract :** About 1 billion people in the world are suffering from hunger. Approximately 1.3 billion tons of produced food is wasted each year as well. While the waste of industrialized countries is 670 million tons per year, the waste per year in developing countries is estimated as 630 million tons. When evaluated in this respect, the importance of sustainability and food security can be seen clearly. Food safety is defined as taking the necessary measures and eliminating all risk arising from food. The goal of sustainable food security is, protection of consumer health, development of safe food and beverages trade nationally and internationally and to ensure reliable fair trade schemes. In this study, this study will focus on sustainable food systems and food security, by examining the food wastage and losses from environmental and economic point of views and the precautions that need to be taken will be discussed.

**Keywords :** food, food safety, food systems, sustainability

**Conference Title :** ICAE 2015 : International Conference on Agricultural Engineering

**Conference Location :** London, United Kingdom

**Conference Dates :** December 10-11, 2015