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Review

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FOOD LOSS AND WASTE MANAGEMENT IN TURKEY**Guray Salihoglu^{a*}, Nezh Kamil Salihoglu^a, Selnur Ucaroglu^a, Mufide Banar^b**

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ABSTRACT

Food waste can be an environmental and economic problem if not managed properly but it can meet various demands of a country if it is considered as a resource. The purpose of this report is to review the existing state of the field in Turkey and identify the potential of food waste as a resource. Food loss and waste (FLW) was examined throughout the food supply chain (FSC) and quantified using the FAO model. Edible FLW was estimated to be approximately 26 million tons/year. The amount of biodegradable waste was estimated based on waste statistics and research conducted on household food waste in Turkey. The total amount of biodegradable waste was found to be approximately 20 million tons/year, where more than 8.6 million tons/year of this waste is FLW from distribution and consumption in the FSC. Options for the end-of-life management of biodegradable wastes are also discussed in this review article.

Keywords:

Agricultural production, animal feed, biogas potential, legislation, biodegradable waste

1 INTRODUCTION

Food wastage is a problem in terms of not only food scarcity, but also environmental impact, which hinders food availability, especially in the parts of the world with limited

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