

**O 58. MANURE MANAGEMENT SYSTEMS OF DAIRY CATTLE FARMS IN ILGIN-KONYA AND ENVIRONMENTAL EFFECTS**

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**ABSTRACT:** Environmental pollution is one of the most important problems that threaten human life. The effects of the gases from the wrong manure management practices in livestock farms in greenhouse gas production are too high to be overlooked. This study was carried out in 2017-2018 in order to identify manure management practices and problems of dairy cattle farm in Ilgin-Konya and to develop solution suggestions. In the study, 20 enterprises with the ability to represent the dairy cattle farms in the region determined using the objective sampling method were examined. No biogas plants were found in the study area. A significant part of the dairy farms collects the manure with automatic scrapers and stores them in an open area within the farm. In the dairy farms, obtained manures were evaluated by applying to their own agricultural land. As a result of the research, it is recommended that indoor air quality can be kept under hazardous levels for animals and working people in the livestock building, and in terms of environmental pollution, the animal manure management system should be constructed and managed in accordance with the planning principles.

*Keywords: Dairy cattle farm, Ilgin, Manure management, manure collection*