

CHAPTER 9

AUTOMATION IN LAYER HEN PRODUCTION

Nasir ABDALLAH¹
Yunus Emre BOGA¹
Kadriye KURŞUN¹
Mikail BAYLAN¹
Ümit ELÇİ¹

1. INTRODUCTION

The most common poultry species widely raised worldwide is chicken and according to Mallick et al. (2020), about 5 billion chickens are reared yearly for meat and eggs. Egg is one of the cheapest source of proteins world wide especially in third world countries. To keep our body in the best condition our diet should contain a variety of fresh and nutritious food and it has been recommended by the World Health Organization (WHO) that our daily diet should contain of a mixture of staple foods such as legumes, plenty of fresh fruit and vegetables, and foods of animal origin like meat, fish, eggs and milk (WHO, 2018). Eggs are considered to have high nutritional value, and are thus consumed worldwide (Réhault-Godbert et al., 2019). Eggs are particularly rich of selenium and vitamin D as well as low-energy, nutrient-dense source of food (Ruxton et al., 2010). Along with certain kinds of shellfish, eggs are also the main source of dietary cholesterol and a medium-sized egg of 58 g contains 200 mg cholesterol (Isherwood et al., 2010). Eggs are important for the mental de-

¹ Cukurova University, Faculty of Agriculture, Department of Animal Science, Adana/Turkey *Corresponding Author: khatipoglu@cu.edu.tr

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