

Design and control of a uniform heat distribution system in a small egg incubator

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Abstract: This topic aims to research and design a system for uniform temperature distribution in small-scale egg incubators, meeting high technical requirements for temperature stability to ensure the healthy development of eggs. By integrating modern control methods with experimental research, the topic contributes to improving the incubation process, minimizing temperature errors, and increasing production efficiency. The expected outcome is a compact, flexible, and reliable incubation system suitable for small and medium-sized poultry farms.

Keywords: Incubation rhythm, temperature control, automatic incubator, heat distribution technique, egg incubation system