

Special Issue

Advanced Design and Environmental Control for Livestock Houses

Message from the Guest Editor

In recent decades, livestock production has increased worldwide and it is expected to keep developing in a growing population scenario. Genetics, feeding, and management played roles in this livestock revolution, but housing design and operation have been crucial to adapt livestock houses to new demands. Nevertheless, there is an increasing pressure on livestock production to ensure welfare, sustainability, and efficiency goals that must be addressed from all perspectives. Please share your success stories from research in the design and control of livestock houses around the world in this Special Issue. Submissions on the following topics (but not limited to) are invited: 1) Optimization of ventilation systems to reduce energy demand; 2) Innovative systems and management of cooling systems in hot climates; 3) Use of alternative energy sources for heating; 4) Advanced techniques, such as precision livestock farming, for management optimization; and 5) Decision support tools and modeling.

Guest Editor

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Deadline for manuscript submissions

closed (15 March 2021)



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Editor-in-Chief

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