

Special Issue

Application of Fluid Mechanics in Air Quality Management of Agricultural Facilities and Rural Environment

Message from the Guest Editor

Air quality has a great influence on agricultural productivity as well as on the health of farm workers. For intensive farming, it is of utmost importance in providing the most favorable air conditions for individual crops and animals. Moreover, air pollutants emitted from agricultural activities can threaten nearby residents, environment, and ecosystems. Over the decades, we have struggled to manage air quality in agricultural facilities and rural areas, and the Fluid mechanics has provided creative solutions. The Special Issue is to present recent trends and innovative studies on the following topics (but not limited to): 1) air quality management in greenhouses, livestock barns, warehouses, storages, silos, etc.; 2) atmospheric dispersion of gases, odors, dust, chemicals, or pollutants emitted by agricultural activities in rural environment; and 3) innovative and novel application of fluid mechanics related to agricultural studies. Please share your success and ongoing research.

Guest Editor

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Editor-in-Chief

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