Special Issue

Antimicrobial Resistance Transfer from Animal to Environment

Message from the Guest Editors

This topic covers a wide array of animals (including birds and fish) and how they influence the movement of the resistome into and across different environments. Research on the transfer of AMR (bacterial, fungal, and viral) to date has focused on manure from food animals and its spread to the soil. In particular, we encourage submissions focussing on countries for which there is little data on AMR transmission, areas with few examples of its transmission, and novel aspects of previously discussed topics. Topics can include but are not limited to:

- Wildlife as a reservoir of AMR transfer to the environment;
- Solutions or interventions to prevent the transfer of AMR from animals to the environment;
- Manure as a medium for the movement of AMR from food animals to the environment;
- Tracking the movement of AMR from animals to the environment;
- The movement of mobile elements containing AMR across animal microbiomes and the environment;
- Modelling the transfer of AMR from animals to the environment
- The transportation of animals and manure internationally: what is the risk?
- Methods for analyzing the transfer of AMR from animals to the environment.

Guest Editors

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Deadline for manuscript submissions

closed (31 May 2023)

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About the Journal

Message from the Editor-in-Chief

"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

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