

## Call for papers

## Antimicrobials and Resistance in the Food Chain



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Within agrifood systems - when considering crops, farm animals and foods – many sectors have been able to reduce or selectively use antimicrobials while still prioritising the health and welfare of animals. Further knowledge and evidence are needed on how the use of antimicrobials may manifest as risks of antimicrobial resistance that are shared between agrifood systems, the environment and human health. This is a challenge that can be solved by coordinated study between researchers and those who use or regulate antimicrobials during food production, with goals of understanding how risks of resistance arise and can be best mitigated without unintended consequences.

This collection will provide evidence and perspectives on:

- the nature of the emergence and transmission of antimicrobial resistance in agrifood environments (and systems),
- relationships to other connected sectors (e.g. human health, One Health integration),
- practices and interventions that seek to reduce antimicrobial use while effectively controlling disease in animals used in production of food,
- agriculture innovations and technologies that support new insights on antimicrobial use and data-driven decision-making,
- economic and behavioural dimensions of AMR mitigation,
- surveillance and data integration (i.e. integrated monitoring that overcomes challenges in data sharing),
- the implications of policies such as sustainability and environmental stewardship on antimicrobial use and reservoirs of resistant organisms.

Articles in the collection may draw from studies that involve cross-sectoral collaboration, systems-based approaches, microbiology, veterinary science, crop science, epidemiology, the perspectives of food businesses and consumers, and agrifood economics.



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Submission Deadline: **08 January 2026**