



animals



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The Future of Antibiotics in Farm Animal Production Systems

Guest Editor:

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Deadline for manuscript
submissions:

closed (30 June 2019)

Message from the Guest Editor

Antimicrobial resistance has been described as potentially causing the end of modern medicine and England's Chief Medical Officer has warned of the "post-antibiotic apocalypse". The spotlight has fallen on the use of antibiotics in farm animals and how that use has impacted on the development of antimicrobial resistance in human patients. The most recent of these is the development of resistance to colistin which has been linked to its use on pig farms in China. Ironically, colistin, which is an antibiotic that was first used almost 60 years, has only recently become important in humans because, despite being both nephro- and neurotoxic, it is one of the last-resort antibiotics for treating multidrug-resistant bacteria such *Pseudomonas aeruginosa*.

The theme of this Special Issue is the future use of antibiotics on farm. How can we reduce, refine and replace antibiotic use? We encourage you to submit papers which answer or attempt to answer any of those questions.



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Special Issue



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Message from the Editor-in-Chief

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