SPECIAL ISSUE

Antimicrobial Resistance from Food Animal Production

TABLE OF CONTENTS

**Commentary**

3 Antimicrobial resistance in a One Health context: exploring complexities, seeking solutions, and communicating risks

*H. Morgan Scott, Gary Acuff, Gilles Bergeron, Megan W. Bourassa, Shabbir Simjee, and Randall S. Singer*

**Reviews**

8 Critically important antibiotics: criteria and approaches for measuring and reducing their use in food animal agriculture

*H. Morgan Scott, Gary Acuff, Gilles Bergeron, Megan W. Bourassa, Jason Gill, David W. Graham, Laura H. Kahn, Paul S. Morley, Matthew Jude Salois, Shabbir Simjee, Randall S. Singer, Tara C. Smith, Carina Storrs, and Thomas E. Wittum*

17 Complexities in understanding antimicrobial resistance across domesticated animal, human, and environmental systems

*David W. Graham, Gilles Bergeron, Megan W. Bourassa, James Dickson, Filomena Gomes, Adina Howe, Laura H. Kahn, Paul S. Morley, H. Morgan Scott, Shabbir Simjee, Randall S. Singer, Tara C. Smith, Carina Storrs, and Thomas E. Wittum*

31 From farm management to bacteriophage therapy: strategies to reduce antibiotic use in animal agriculture

*Laura H. Kahn, Gilles Bergeron, Megan W. Bourassa, Bert De Vegt, Jason Gill, Filomena Gomes, François Malouin, Ken Opengart, G. Donald Ritter, Randall S. Singer, Carina Storrs, and Edward Topp*

40 Antimicrobial-resistant bacterial infections from foods of animal origin: understanding and effectively communicating to consumers

*G. Donald Ritter, Gary R. Acuff, Gilles Bergeron, Megan W. Bourassa, Benjamin J. Chapman, James S. Dickson, Kenneth Opengart, Matthew Jude Salois, Randall S. Singer, and Carina Storrs*