**Chapter: Genetics of beef and milk fatty acid composition**

    1. Importance of changing fatty acid composition of beef and milk

    2. Fatty acid composition of beef and milk

    3. Metabolic pathways affecting fatty acid composition of beef and milk

    4. Pros and cons of nutritional regulation of fatty acid composition of beef and milk

    5. Heritability of fatty acids in beef and milk

    6. Major QTLs associated with beef and milk fatty acids and fat content

    7. Genome-wide association studies in relation to fatty acid composition of beef and milk

    8. Considerations for statistical analyses of beef and milk fatty acid composition data

    9. Future perspectives on research about genetic regulation of fatty acid composition in beef and milk