



MENU

Results for METABOLOMICS... > Metabolomics for quality assessment of poultry meat and eggs



Metabolomics for quality assessment of poultry meat and eggs

By Yogeswari, MS; Selamat, J; Murugesu, S

Source FOOD QUALITY AND SAFETY

Volume: 8

DOI: 10.1093/fqsafe/fyae004

Article Number fyae004

Published JAN 1 2024

Early Access MAR 2024

Document Type Review

Abstract The poultry industry is experiencing rapid growth worldwide. This accelerated growth has led to multiple food fraud incidents across the food supply chain, which consequently created a demand for precise determination of quality poultry production. This increase in demand for precise poultry production quality has necessitated advanced solutions. Metabolomics has emerged as a viable solution by offering detailed differentiation of biochemical indicators throughout the poultry supply chain. Additionally, this study provides a means to address risk factors affecting the poultry industry without compromising animal welfare, which is a critical concern. This review focuses on important issues related to poultry product quality assessment. Food adulteration has escalated in recent years as it is driven by the increasing focus on consuming

high-quality and nutritious food. However, there is no specific guideline for such determinations, especially when appearance, texture, and taste can be manipulated by substituting for food components. Metabolomics can pave the way for a deeper understanding of existing and novel biochemical indicators responsible for determining the quality of poultry meat and eggs. This approach holds the potential to enhance the overall quality of poultry meat and egg products while also preventing food fraud.

[+ See more data fields](#)

Citation Network

In Web of Science Core Collection

2

Citations

130

Cited References

How does this document's citation performance compare to peers?

[← Open comparison metrics panel](#)

Data is from InCites Benchmarking & Analytics

This record is from:

Web of Science Core Collection

- Science Citation Index Expanded (SCI-EXPANDED)
-

Suggest a correction

If you would like to improve the quality of the data in this record, please [Suggest a correction](#)

© 2024 Clarivate Data Correction Copyright Notice Manage cookie preferences Follow Us

Training Portal Privacy Statement Cookie Policy



Product Support Newsletter

Terms of Use