

Special Issue

Current Advances in Cellular Agriculture

Message from the Guest Editor

Cellular agriculture is a new field of biotechnology focused on the development of animal products from cells rather than animals. This includes (but is not limited to) food produce such as meat, milk, and eggs, as well as non-food products like leather, horn, and fur. The science underpinning cellular agriculture derives from numerous research areas, with tissue & bioprocess engineering, synthetic biology, and materials science being the most relevant. However, there is at present a recognised gap in fundamental and methodological knowledge that risks halting or delaying its further expansion. This is in part a legacy issue – as previous studies focused on understanding mechanisms of disease and develop appropriate therapeutic solutions, fewer limitations in terms of product price and consumer acceptance were considered.

This special issue aims at addressing this gap. We welcome articles with a focus on cell and stem cell biology, microbiology, molecular and synthetic biology, and biochemical/metabolic engineering, as well as other intersecting topics related with promoting the advancement of cellular agriculture.

Guest Editor

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Message from the Editor-in-Chief

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