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3D Food Printing: Future Outlook and Application in Food Sector

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Message from the Guest Editor

3D food printing is an emerging technology for personalized food production and still under development to detect extensive value-chains. The initial examples of 3D food printing were based on paste extrusion of rather simple ingredients, such as processed cheese, cake frosting, and chocolate dating back to 2007. The food expectations of contemporary consumers have increased further from convenient tasty food towards integrating elements of active participation, personalization, sustainability, health, and well-being. 3D Food printing is one potential production technology that could accommodate the aforementioned expectations of the consumer.

This Special issue is looking for contributions covering the following subjects:

1. Ingredient and formulation requirements for 3D food printing and their characterization for diverse 3D printing technologies (e.g., paste extrusion, powder bed, ink jet printing);
2. The development of novel food structures by 3D food printing;
3. Delivery of personalized nutrition via 3D food printing;
4. Consumer perspectives towards 3D printing technology and 3D-printed foods;
5. Other related topics, such as business and market opportunities.



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Special Issue



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Message from the Editor-in-Chief

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