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| Autore | Singh Divya |
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| Altri autori (Persone) | KumarRanvijay SinghSunpreet RamniwasSeema |
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| Nota di contenuto | Entomophagy in 3D Food Printing -- Entomophagy and its Application through 3D Printing for Sustainable Food Development -- Crickets as a promising alternative edible insect: nutritional and technological aspects and 3D printing prospective -- Insects Nutrition And 3D Printing -- Entomophagy: Application of Edible Insects in 3D Printed |

Foods -- Edible Insects as Materials for Food Printing: Printability and Nutritional value -- Drosophila as a Potential Functional Food: An Edge over other Edible Insects -- 3D printing, insects and food: a bibliometric analysis -- Inkjet-based 3D food printing for sustainable insect materials: A state-of-the-art review and prospective materials -- Extrusion-based 3D printing concept in customized nutritional products -- A Review on Binder jetting and Selective Laser Sintering: a novel assessment of the processes for 3D Insect food printing materials -- Social, Economic, Scientific and Environment Aspectsof Entomophagy in 3D Food Printing.

Sommario/riassunto

This book compiles a diverse and interdisciplinary range of scientific literature, laboratory developments, industrial implications and future prospects covering Entomophagy in 3D food printing to fight against hunger and nutritional deficiencies. Recent developments in Entomophagy in 3D printing of Drosophila based materials, and their nutritional, social, economic, scientific and environmental aspects. are comprehensively covered. Readers will also find shortcomings, guidelines, and industrial prospects for these materials, with emphasis on processing methods for the extraction of sustainable materials through 3D food printing. 3D Printing of Sustainable Insect Materials focuses on the methodology, technology and processing used for utilizing insects in 3D food printing applications, establishing technology-driven knowledge to fight against hunger. Chapters cover the principles for Entomophagy, insect processing methods, modern 3D food printing technologies, and the theoretical and practical aspects of Emtomophagy in 3D printing, with a special focus on future prospects and technologies. This ground-breaking book will serve knowledge to researchers and industry professionals across the food industry with broad coverage of emerging technologies, materials developed through Entomophagy, functional characterization and the technical details required to produce sustainable insect-based materials through 3D food printing. .
