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Novel Eco-Friendly Processing Techniques for Sustainable Utilization of Food Waste

Guest Editors:

Dr. Laurentiu Mihai Palade

Chromatography Laboratory,
National Research &
Development Institute for Food
Bioresources – IBA Bucharest, 6
Dinu Vintila Street, District 2,
021102 Bucharest, Romania

Prof. Dr. Mona Elena Popa

Faculty of Biotechnology,
University of Agronomic Sciences
and Veterinary Medicine of
Bucharest, 59 Marasti Boulevard, 1
Bucharest, Romania

Dr. Paul Alexandru Popescu

Faculty of Biotechnology,
University of Agronomic Sciences
and Veterinary Medicine of
Bucharest, 011464 Bucharest,
Romania

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Message from the Guest Editors

The growing accumulation of food/agri-food waste is a pressing health concern worldwide, with detrimental implications on the environment. To overcome this situation, waste disposal management translates into a rational consumption of natural resources, along with repurposing the resulting waste materials.

Correspondingly, modern approaches are encouraged towards waste exploitation with the aim of providing inexpensive tools with functional properties. With regards to inducing minimal environmental impact, scientific endeavours are focused on effectively reusing the biodegradable organic matter, accounting for a broad range of bioactive compounds. Besides the recovery of bioactive constituents from food/agri-food waste and the associated co-products and by-products, addressing the conversion of waste materials into practical applications also represents a viable resolve.

To this end, new trends are progressively sought on green processes with relevant advantages over the conventional techniques for sustainable waste valorisation.



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Special Issue



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Editor-in-Chief

Prof. Dr. Arun K. Bhunia

1. Department of Food Science,
Purdue University, West
Lafayette, IN, USA

2. Department of Comparative
Pathobiology (Courtesy), Purdue
University, West Lafayette, IN,
USA

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Contact Us

Foods Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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