



Application of Animal Byproducts in Bio-Based Materials, Health, Food, Agriculture and Energy

Guest Editor:

Dr. Vincenza Ferraro

INRAE (Institut National de Recherche pour l'Agriculture, l'Alimentation, et l'Environnement), 147 Rue de l'Université, 75007 Paris, France

Deadline for manuscript submissions:

closed (31 May 2023)

Message from the Guest Editor

Animal by-products are a stream of potential raw matters for several sectors, in virtue of their unique functional and biological properties, which are also difficult to reproduce through synthetic ways. The by-products streams can add up to 50% of live animal's weight and represent a considerable challenge; nonetheless they can embody an opportunity for innovation in several fields. Even though biogas production and animal feeding are possible for some by-products, a greater part still remains to be valorised. To move towards a high added value processing and towards a greater sustainability, new molecular-level scientific knowledge is required to identify promising avenues for by-products refining.

Hence, this special issue aims to focus onto ground-breaking managements strategies of animal by-products for the recovery of high value-added compounds and on their application. Papers on the development of bio-based and renewable materials for industry, sensing devices for medical and technical applications, active principles for pharmaceuticals, and for the automotive and energy sector (unless biogas production), are welcome.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

Contact Us

Applied Sciences Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/applsci
applsci@mdpi.com
[X@Applsci](#)