

Special Issue

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

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 groundbreaking 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.

Guest Editor

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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.

Editor-in-Chief

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