



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

Guest Editor:

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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.





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Message from the Editor-in-Chief

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