



**C3-BIOECONOMY**  
Circular and Sustainable Bioeconomy

## EDITORIAL



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**President of ceiA3 and Rector of University of Cordoba**

ceiA3 launch the third issue of the journal C3-BIOECONOMY, *Circular and Sustainable Bioeconomy*, that addresses innovation in Circular and Sustainable Bioeconomy, with special attention to its impact on the agri-food and forestry sectors with a clear multisectoral vocation.

The third C3-BIOECONOMY issue aims to become an indispensable instrument to upgrade the state of the art in the field of Bioeconomy, to promote reflections and exchanges on this matter as a scientific and technical bioeconomy bridge among countries and continents. At this point, it should be noted the issue balance between the articles from Europe and Latin America with representation from a wide spectrum of countries and areas such as Latin America, Argentina, or Andalusia (Spain), addressing issues in the field of policy analysis, socioeconomic and technological aspects related to the Bioeconomy.

On the one hand, a critical and updated analysis of the quantification of the volume of biomass generated by the olive grove sector, as realistic as possible, is addressed, which is necessary in view of the increase in surface area and the intensification of this agricultural system in Andalusia, to support public and private decision-making in relation to the development of circular bioeconomy activities aimed at the valorisation of this production. A more global and holistic vision of the term 'Sustainable Development' is proposed, taking into account both its different meanings and its evolution in recent decades. It also presents

Argentina's potential and the challenges to be met in terms of bioeconomy, through an analysis of the Argentinean bio-ecosystem, with a focus on the experience of Rosario. Finally, a reduction of the impact of modern agriculture on the environment is addressed, providing interesting data on how some technologies can reduce the environmental footprint of agriculture.

On the other hand, this issue includes three case studies of successful resulting from research and innovations developed by knowledge agents to respond to and provide innovative solutions to the bioeconomy sector's problems. These case studies of successful come from companies in both Europe and Latin America and show solutions such as the production of natural biostimulant and bioprotective solutions, based on the use of microalgae and bacteria as natural and valuable raw materials, in the case of the company Biorizon; the cooperative platform Agropolo Campinas-Brazil, created with the aim of promoting technological innovation in the tropical bioeconomy; or the case of the Recicland project, whose objective has been the sustainable management of waste generated in the production processes of protected agriculture, mainly on the eastern coast of Andalusia.

The issue also includes a monograph on the food safety challenges associated with the Circular Bioeconomy and the analytical methodologies available to address them.

Sincerely,

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