Special Issue

Industrial Crops Production in Mediterranean Climate

Message from the Guest Editors

Industrial crops have a long history in Mediterranean regions, where different species have been cultivated for their economic, industrial, and ecological value. In recent decades, crops such as Ricinus communis L. and Linum usitatissimum L., to name but a few, have regained interest due to their potential for sustainable production and contribution to the bio-economy. Since the early 1990s, the cultivation of various industrial crops has expanded significantly, driven by advances in breeding, variety adaptation, and agronomic practices suitable for large-scale production in the region. The increasing focus on economic, social, and environmental sustainability has fostered innovations in mechanization, processing, and the valorization of crop residues and by-products. Industrial crops are also promising for carbon farming, sequestering CO2, improving soil health, and providing renewable materials that can help mitigate climate change. Their integration into sectors such as construction, bioenergy, and agroindustry enhances their environmental and economic contributions.

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