



Non-thermal Plasma a Powerful Tool in Agrofood Quality Management

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Message from the Guest Editors

Cold plasma is a powerful physical method that generates active agents (ions, radicals and photons) originated from the partial ionization of a gas phase. The resulting plasmas have varied properties, such as surface sterilization, air purification, wound cleaning, or the inactivation of microorganisms. The last aspect makes cold plasmas a valuable technology in agrofood area. The cold plasma technology is eco-friendly, without the generation of polluting emissions or waste. In recent years, numerous studies have highlighted the potential of cold plasmas as controllers of microorganisms in seeds, fruits, vegetables and processed foods, as well as the promotion of plant growth. However, to achieve the transfer of this technology to the agricultural-productive sector, more studies are required to achieve regulatory approval and safety consideration. This Issue aims to present different independent developments in cold plasmas with direct application in agriculture and agrofood field. The most recent findings on effects of controlling seed pathogens, promoting germination and early plant growth, or crop yield are highlighted.





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Message from the Editor-in-Chief

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