Determination of the profit rate of plasma treated production in the food sector

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— Recently, plasma is one of an emerging, green processing technologies used for diverse applications especially food industry [1]. Plasma treatment proposes diverse opportunities in food industry such as surface decontamination, modification of surface properties and improvement in mass transfer with respect for foods and food-related compounds [1]. Sometimes manufacturers use chemical treatment to demolish pathogenic flora, but its capabilities are rather limited. New methods of food sterilization consisting of ionizing radiation, exposure to magnetic fields, high-power ultrasonic treatment are needed expensive equipment or have not yet been developed for industrial use. Plasma could be used for the above mentioned reasons. In this study, the profit rate of plasma treated production in food sector was calculated. References [1] S. A. Mir, M. A. Shah, M. M. Mir, Food Bioprocess Technol, DOI 10.1007/s11947-016-1699-9

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