

NON-CONVENTIONAL HEATING EQUIPMENTS USED FOR LIQUID FOOD PASTEURIZATION WITH MICROWAVE ENERGY

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Abstract This article is a review on the use of non-conventional methods for the microorganism inactivation in liquid food. First part of the article presents the background and also necesity of developing the new technologyes and equipments for liquid food pasteurization. The second part presents a overview of the microwave heating equipment used for liquid food pasteurization, highlighting the microwave energy advantages compared to classical methods. Another issue of this chapter is to emphase the necessity of proper design and corect dimensions of the microwave equipment used for liquid food pasteurization.

Key words: microwave equipment, pasteurization, sterilization, non-conventional heating, liquid food