

# KINETICS OF COLLOID SEPARATION BY ELECTROFILTRATION

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**Abstract:** The kinetic study of electrofiltration allows the assessment of the process mechanisms and influencing factors. It has been concluded that the aggregation takes place on support and not by electrocoagulation. The parameters of the process are the flow speed, which can contribute to the particles movement towards the support and the field intensity. The concentration and particles dimension have a decisive influence upon the process. The particles dimension can be increased by adding bentonite. For the definition of the optimal conditions it must be achieved a concordance between these four factors.

**Keywords:** electrofiltration, juice purification, kinetics

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