

Abstract Submitted
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Investigation Of The High-Voltage Discharge On The Surface Of Gas-Liquid System SHI NGUYEN-KUOK¹, ALEKSANDR MORGUNOV², YURY MALAKHOV³, IVAN KOROTKIKH⁴, None — This paper describes an experimental setup for study of physical processes in the high-voltage discharge on the surface of gas-liquid system at atmospheric pressure. Measurements of electrical and optical characteristics of the high-voltage discharge in gas, at the surface of the gas-liquid system and in the electrolyte are obtained. The parameters of the high-voltage discharge and the conditions for its stable operation are presented. Investigations with various electrolytes and cathode assemblies of various materials and sizes were carried out. The installation can be used for the processing and recycling of industrial and chemical liquid waste.

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