

NANO-PARTICLES PRODUCTION AT SECONDARY DISCHARGE PLASMA-LIQUID SYSTEMS WITH VORTEX AR FLOW

The paper presents the results of nano-particles production in two different atmospheric pressure plasma-liquid systems with the secondary discharge based on rotating discharges in vortex argon flow. The treated by plasma working fluids were aqueous solutions of AgNO_3 with addition of different concentrations of surface active substances. The resulting samples after the plasma treatment were studied by emission absorption methods and atomic force microscope.

Primary author: KOLOMIETS, Oksana (Taras Shevchenko National University of Kyiv)

Co-authors: Prof. CHERNYAK, V.Ya. (Taras Shevchenko National University of Kyiv); Dr IUKHYMENKO, V.V. (Taras Shevchenko National University of Kyiv); Dr NEDYBALIUK, O.A. (Taras Shevchenko National University of Kyiv); Mr IUKHYMENKO, K.V. (Taras Shevchenko National University of Kyiv); Mr FEDIRCHYK, I.I. (Taras Shevchenko National University of Kyiv); Mr LENDIEL, V.V. (Taras Shevchenko National University of Kyiv); PRYSIAZHNA, Olena (Taras Shevchenko National University of Kyiv); SAMCHENKO, Y. (F.D. Ovcharenko Institute of Biocolloidal Chemistry NAN Ukraine); PASMURCEVA, N. (F.D. Ovcharenko Institute of Biocolloidal Chemistry NAN Ukraine); POLTORACKA, T. (F.D. Ovcharenko Institute of Biocolloidal Chemistry NAN Ukraine); KERNOSENKO, L. (F.D. Ovcharenko Institute of Biocolloidal Chemistry NAN Ukraine)

Presenter: KOLOMIETS, Oksana (Taras Shevchenko National University of Kyiv)

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