

Amperometric immunoenzymes sensors for biomedical researches and determination

© **Elvina P. Medyantseva**, and **Herman C. Budnikov***

Analytical Chemistry Department. A.M. Butlerov Institute of Chemistry. KFU.

Kremlyevskaya St., 18. Kazan, 420008. Tatarstan Republic. Russia.

Phone: +7 (843) 233-74-91. E-mail: Elvina.Medyantseva@ksu.ru

*Supervising author; [†]Corresponding author

Keywords: *amperometric immunoenzyme sensors, enzymes, antigen-antibody interaction, bacterial antibody and antigens.*

Abstract

Analytical opportunities of using proposed amperometric immunoenzymes sensors for bacterial antigens and antibodies determination and individual drugs with aim of diagnostic human conditions, animals and plants was discussed. Schemes of action immunoenzymes sensors were shown. Attention was paid to the identification operation mechanism of the developed sensors. It was considered, the examples of determination human pathogens, animals and plants, including on the earlier stage of disease progression.