

Abstrakt v angličtině:

This work is aimed at the study of sensor response of quartz microbalance towards biologically active substances such as glycerin and toxic substances, namely ethylene glycol, methanol and acetonitrile in liquid phase. These toxic organic compounds are widely used in chemical industry as solvents or anti-freeze components. Glycerin is commonly utilized in cosmetic industry as a moisturizer. As human can easily get into contact with these compounds, they should be easily detectable. If tested sensor proves to be suitable for detecting these substances, it will be possible to follow preliminary results and develop the device for practical industrial usage.

