

JEKATERINA MAZINA-ŠINKAR



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Jekaterina Mazina-Šinkar is a young scientist at Tallinn University of Technology, Chemistry and Biotechnology Institute. She successfully defended her PhD dissertation in January 2016 under the supervision of Prof. Mihkel Kaljurand and Dr. Larisa Poryvkina. Her dissertation covered the illegal drug and drug abuse determination by fluorescence spectroscopy and capillary electrophoresis coupled to chemometric techniques.

She has been started working in the area of illegal drugs research since 2010 in the private Estonian company NarTest (www.nartest.com) during her PhD studies, dealing with development and validation of the methodologies for illegal drugs determination in the bulk street samples using front face fluorescence spectroscopy for a portable drug analyzer NarTest NTX2000.

She is now working on the illegal drug abuse research in Tallinn University of Technology and supervising Master and PhD students. On the basis of her PhD research results, the portable capillary electrophoresis instrument with unique fluorescence detector in the UVC range for illegal drug abuse determination in oral fluids have been constructed.

Jekaterina Mazina-Šinkar has excellent and wide knowledge on the field of the demanding research area of drugs. Her main research area is fluorescence spectroscopy, capillary electrophoresis, illegal drugs, food, environmental applications and chemometrics.