



# Natalia Amirulloieva

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**Gender**: Female **Nationality**: Ukrainian

## ABOUT ME

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**Sphere of scientific interests.** An electroanalytical methods. Studying physico-chemical properties of polyelectrolytes and their complexes with alkylsulfonates. Constant current voltampermetry, coulombostatic method, impedancemetry, Kucheri method, Wilhelmi method (study of adsorption of organic substances and kinetics of electrochemical processes); photolorimetry (analysis of electrolyte composition); optical emission spectroscopy (analysis of the qualitative and quantitative composition of metal electrodes), the method of equilibrium dialysis, conductometry (determination of the composition and constants of the formation of organic associates); capillary viscosimetry (measurement of the relative viscosity of aqueous solutions); gas chromatography.

Optical, scanning electron microscopy, atomic force microscopy. Topological semimetal towards low-dissipation electronics.

## WORK EXPERIENCE

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[ 2014 ]

**Associate Professor at the Department of Fundamental and Natural Sciences**

*Prydniprovskya State Academy of Civil Engineering and Architecture*

[ 2004 – 2014 ]

**Senior Researcher of Scientific Research Institute of Galvanochemistry**

*Ukrainian State University of Chemical Technology*

[ 1998 – 2006 ]

**Researcher of Scientific Research Laboratory for Synthetic Fuels**

*Ukrainian State University of Chemical Technology*

[ 1995 – 1998 ]

**Post-graduate student**

*Department of Fuel Materials, Ukrainian State University of Chemical Technology.*

[ 1989 – 1995 ]

**Student**

*Ukrainian State University of Chemical Technology*

## EDUCATION AND TRAINING

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[ 2015 ]

**Associate Professor, Department of Chemistry.**

[ 2011 ]

**Candidate of Chemical Science, Electrochemistry (Philosophy doctor of electrochemistry)**

[ 1995 ]

**Specialist (MS equivalent), Engineer-technologist for processing fuel and carbon materials**