

# Anastasiia Misiura

## Personal details

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Email: [Anastasiia.Misiura@rice.edu](mailto:Anastasiia.Misiura@rice.edu)  
Date of birth: February 14<sup>th</sup>, 1990  
Citizenship: Russian

## Education and training

- 2017 - present**    **Graduate Research Assistant, Rice University, USA**  
Field: Single-Molecule Dynamics  
Protein-Synthetic Polymer Interactions
- 2007 - 2012**    **M.Sci in Chemistry, Lomonosov Moscow State University, Russia**  
Thesis title: "*Lactate determination in exhaled breath condensate by means of gas chromatography – mass-spectrometry*"
- 2005 - 2007**    **State education institution "Specialized Educational and Scientific Center", Lomonosov Moscow State University, Russia**  
High School, Chemical-biological class

## Professional Experience

- 2013 – 2016**    **Lead Engineer at A.N. Severtsov Institute of Ecology and Evolution, Russian Academy of Sciences, Laboratory of Analytical Ecotoxicology, Moscow, Russia**
- Responsible for conducting and development of sampling methods and probe preparation techniques (including dioxin analysis);
  - Development and implementation of new robust and efficient methods for the gas chromatography – mass-spectrometry system (GC-MS Thermo Scientific);
  - In charge of qualitative and quantitative analysis of various types of samples (soil, water and food samples);
  - Responsible for providing express analysis for external companies;
- 2012 – 2016**    **Lead Analytical Chemist / Service Engineer at «AAS Service» Company, Moscow, Russia**
- Final stage installation, calibration, starting up and maintenance service of GC-FID and GC-MS equipment (Agilent Technologies);
  - Solid experience in troubleshooting and repair of GC-MS and GC-FID instruments;
  - Establishment of Agilent Quechers sample preparation technique;
  - Training and supervision of researchers;
  - Attended engineering courses: «Mass-spectrometry» Agilent Technologies; «Maintenance and repair of "Chromatec Crystal"» Chromatec;

## **Achievements**

- Implemented and optimized sample preparation for the analysis of pesticides in food (Quechers);
- Established a new method of formaldehyde analysis by GC-MS;
- Winner of Moscow Volleyball championship (3<sup>rd</sup> place).

## **Interests**

Passionate sportsperson – love team sports such as volleyball.

## **Publications**

**A.A. Kovalenko (Misiura)**, E.S. Brodsky, H.A. Yshakova, A.I. Bastrakov. *Identification of hydrophobic complexes isolated from the family of beetles Tenebrionidae (Alphitobius diaperinus) // 7<sup>th</sup> Russian Congress of the mass spectrometry community 2015. Book of Abstracts. p. 75 (Poster) (Article in Russian)*

A.A. Shelepchikov, E. S. Brodsky, **A. A. Kovalenko (Misiura)**, A.D. Kudryavtseva (2015). Photolytic dechlorination of octachlorodibenzo-p-Dioxin and octachlorodibenzofuran in tropics. *Doklady Biochemistry and Biophysics* **462**(1), 169-171. (Article in Russian)

## **References**

**Dr. Christy F. Landes** (advisor)

Professor

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