



## Iva Popović (Vukićević)

PhD in Chemical science

Primarily topic of my research is Matrix Assisted Laser Desorption and Ionisation Time of Flight mass spectrometry of small molecules ( $M_r$  less than 1000 Da) their qualitative and quantitative analysis, and the statistics.

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## Work experience

**Research associate** 2018 - Present  
Department of Atomic Physics, Vinča" Institute of Nuclear Sciences, University of Belgrade, National Institute of the Republic of Serbia, Belgrade

**Research assistant** 2012 - 2018  
Department of Physical chemistry, Vinča" Institute of Nuclear Sciences, University of Belgrade, National Institute of the Republic of Serbia, Belgrade

**Research Trainee** 2011 - 2012  
Department of Physical chemistry, Vinča" Institute of Nuclear Sciences, University of Belgrade, National Institute of the Republic of Serbia, Belgrade

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## Studies

**PhD in Chemical science** Feb 2017  
Faculty of Science, University of Kragujevac, Kragujevac, Republic of Serbia

**Thesis title:** *Investigations of the application of inorganic substrates based on TiO<sub>2</sub> nanocrystals for the detection and quantification of small molecules with SALDI TOF mass spectrometry*

**Developed skills:** MALDI/SALDI TOF mass spectrometry, statistical analysis, organisation skills, mentoring undergraduates, paper autoring

**MSc in Biochemistry** Dec 2010  
Chemical faculty, Biochemistry, University of Belgrade, Belgrade, Republic of Serbia

**Project title:** *Production of  $\beta$ -limit dextrines with  $\beta$ -amylase from soybean and their utilization in zymogram detection*

**Developed skills:** Electrophoresys, chromatography techniques, enzyme assays

## Personal

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Cara Dusana Street 3/3
- **Postal code**  
11080
- **City/Town**  
Belgrade
- **Date of birth**  
23th of January 1984
- **Place of birth**  
Belgrade, Republic of Serbia
- **Gender**  
Female
- **Nationality**  
Serbian
- **Website**  
ORCID: 0000-0003-1120-8985

## Skills

Matrix Assisted Laser Desorption and Ionisation Time of Flight (MALDI TOF) mass spectrometry

Scanning Electron Microscopy (SEM)

Electroforesis

Chromatography and other separation techniques

UV-Vis Spectroscopy

Statistical analysis

IT skills: Corel draw, Chem draw, Data basis (Zotero), Microsoft Office (Word, Excel, Power point), Photoshop, Origin

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## Languages

English

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## Projects

### Danube meets omics (Danomics)

2017

Vienna General Hospital AKH, Medical University of Vienna, Vienna, Austria

Short term scientific mission grant

### National project

2011 - 2016

"Vinča" Institute of Nuclear Sciences, University of Belgrade, National Institute of the Republic of Serbia

*Title: Mechanistical aspects of the interaction of complexes of transition metal ions with biologically significant molecules*, Ministry of Education, Science and Technological Development, No. 172011

### Member of project tim in COST action

2015

Leiden University Medical Center, Leiden, Netherlands

*Title: Mass Spectrometry Imaging: New Tools for Healthcare Research*

### Participation on bilateral project, International

2011

Institute of Medical Physics and Biophysics, University of Leipzig, Leipzig, Germany

*Title: Structural and functional aspects of the effects of antitumor metallo-drugs on polymorphonuclear leukocytes*  
Short term scientific mission grant

### Participation in popularization of science

2011 - 2016

Vinča" Institute of Nuclear Sciences, University of Belgrade, National Institute of the Republic of Serbia

Manifestation "Open door" in "Vinča" Institute

### Participation in youth education

2012 - 2016

Vinča" Institute of Nuclear Sciences, University of Belgrade, National Institute of the Republic of Serbia

Coordinator of workshops in "Vinča`s science classroom" manifestation

Number of research articles: 16

Number of conference abstracts: 19