

## Ivana D. Rašić Mišić

Full Professor Department of Chemistry, Faculty of Sciences and Mathematics, University of Niš, Niš, Serbia

Female, born in 1978.

E-mail: [ivana.rasic@pmf.edu.rs](mailto:ivana.rasic@pmf.edu.rs), [ikacus@gmail.com](mailto:ikacus@gmail.com)

Phone +381631045294

[IvanaRasicMisic ORCID](#)

[IvanaRasicMisic Research Gate](#)

Scopus ID: 24822557400

[IvanaRasicMisic LinkedIn](#)

[linkedin.com/in/ivana-rasic-misic-58aa11359](https://linkedin.com/in/ivana-rasic-misic-58aa11359)

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### Academic career

Department of Chemistry, Faculty of Sciences and Mathematics, University of Niš, Serbia

2023-present **Full Professor of Analytical and Physical Chemistry**

2018-2023 **Associate Professor of Analytical and Physical Chemistry**

2012-2018 **Assistant Professor of Analytical and Physical Chemistry**

2003-2012 **Teaching Assistant of Analytical and Physical Chemistry**

### Project history

#### Participant and a member of the consortium of the following European projects:

2024-2025 **Researchers' Night 2024-2025** (The Road to Friday of Science FLOW - ReFocus FLOW 101161922-HORIZON-MSCA-NIGHT-2024-CITIZENS-01-01)

2023-present **Member of CEEPUS network** *Reinforcement of research, professional, and education capacities for application in sample preparation of various origins before the corresponding analysis.*

2022-2023 **Researchers' Night 2022-2023** (The Road to Friday of Science and Art - ReFocus Art 01-101051356-HORIZON-MSCA-NIGHT-2022-CITIZENS)

2020 **Researchers' Night 2020** (The Road to Friday of Science - ReFocus 3.0 955020-H2020-MSCA-NIGHT-2020)

2018-2019 **Researchers' Night 2018-2019** (ReFocus 2.0 818325-H2020-MSCA-NIGHT-2018) **Work Package 2 (WP 2) leader - "Activities during the NIGHT"**

### **Participant in the European projects:**

2016-2017 **Researchers' Night 2016-2017** (The Road to Friday of Science-“ReFocus”, project number: 722341 – ReFocus - CSA, H2020-MSCA-NIGHT-2016-2017)

2015 **Researchers' Night 2015** (Science in Motion for Friday night Commotion 2014-2015, SCIMFONICUM 2014-2015, EU project H2020-MSCA-NIGHT-633376)

### **Participant in national projects:**

2012-2020 “Combinatorial libraries of heterogeneous catalysts, natural products, modified natural products and their analogues: way to biologically active agents”, funded by the Ministry of Education and Science of the Republic of Serbia.

2006-2011 “Development and applicability of the methods for the quality monitoring of industrial products and environment”, funded by the Ministry of Science and Environmental Protection of Republic of Serbia.

2003-2005 “Development of new and improvement of the pre-existing analytical methods for the quality monitoring of industrial products and environment” funded by the Ministry of Science, Technology and Development of Republic of Serbia.

### **Teaching**

PhD Course:

Clinical chemistry methods of analysis (10 credits)

MA Courses:

Physical-chemical principles of instrumental analysis (6 credits)

Bioanalytical chemistry (6 credits)

Quality management in analytical laboratory (4 credits)

BA Course:

Statistical analysis of results in chemistry (4 credits)

### **Research areas and interests**

- development of new spectrophotometric methods for the analysis of pharmaceuticals and pesticides;
- development of new electrochemical methods for the antibiotics determination;
- food and plant analysis (antioxidative activity and elemental analysis);
- adsorption capabilities of zeolites.

### **Education**

Department of Chemistry, Faculty of Sciences and Mathematics, University of Niš, Serbia

2011 **PhD in Chemistry** (Analytical and Physical Chemistry, GPA 10 out of 10)

2002 **MA in Chemistry** (GPA 9.27 out of 10)

### Invited lecture

2024 One of the lecturers in **Summer school** in **Blagoevgrad, Bulgaria** in 2024 under the **CEEPUS network** titled Reinforcement of research, professional, and education capacities for application in sample preparation of various origins before the corresponding analysis. Title of a lecture “Key steps for the sample preparation prior to ICP-AES analysis”.

### Professional development

2022 Completed six-week **training** in English „**Teaching and academic writing in English**“ organized by the Faculty of Sciences and Mathematics and Erasmus+ project TeComp.

2021 Completed two-month **training** for **EMI (English as a medium of instruction)** organized by the TEMPUS foundation for teaching in English.

2018 Participant of the seminar on peer review for researchers, organized by the Center for the Promotion of Science.

2010 **Summer school Mass spectrometry** organized by the Faculty of Science and Mathematics, University of Niš, and Université Pierre et Marie Curie, Paris, France, lecturer Jean Claude Tabet.

### Professional skills

**Evaluator** of the following **projects' proposals** at the invitation of the Ministry of Education, Science and Technological Development of the Republic of Serbia:

2023 Project proposal from the Program of Bilateral Scientific and Technical Cooperation between the Republic of Serbia and Slovenia for the period 2023-2025

2022 Project proposal from the Program of Bilateral Scientific and Technical Cooperation between the Republic of Serbia and Austria for the period 2022-2024

2021 Project proposal from the Program of Bilateral Scientific and Technical Cooperation between the Republic of Serbia and Slovakia for the period 2022-2023

2020 Project proposal from the Program of Bilateral Scientific and Technical Cooperation between the Republic of Serbia and Hungary for the period 2021-2022

**Reviewer** for the following journals: International Journal for Vitamin and Nutrition Research, Current Pharmaceutical Analysis, International Journal of Environmental Research and Public Health, Biological trace Element Research, Food Science and Nutrition, Journal of Pharmaceutical Research International, Advanced technologies, Acta Facultatis Medicae Naissensis, Chemia naissensis, International Conference on New Material and Chemical Industry.

2024- PhD mentorship in progress

## Books

Ivana Rašić Mišić, "Bioanalytical chemistry" (in Serbian) ISBN 978-86-6275-052-5, Publisher University of Niš, Faculty of Sciences and Mathematics, 2022.

Snežana Mitić, Ivana Rašić Mišić, Ružica Micić, Marija Dimitrijević, Semi-micro qualitative chemical analysis" (laboratory manual in Serbian), ISBN 978-86-6275-071-6, Publisher University of Niš, Faculty of Sciences and Mathematics, 2017.

Aleksandra Pavlović, Ivana Rašić Mišić "Selected chapters on optical analysis methods" (in Serbian) ISBN 978-86-6275-052-5, Publisher University of Niš, Faculty of Sciences and Mathematics, 2016.

## Skills

Proficient in ICP-OES instrument, potentiostats EmStat3 Blue, EmStat4S, has an experience working on HPLC-UV instrument.

Proficient with relevant computer programs, e.g., iTEVA software, PSTrace, Statistica, AMDIS

## Awards

2000 Recipient of the Royal Embassy of Norway award for outstanding students.

## Languages

Serbian (native), English (fluent), French and Spanish (basic levels).

## Maternity leaves

Two career breaks due to the maternity leaves:

November 2011 - June 2012

March 2013 - March 2014