

Curriculum Vitae
Mirjana Medenica, Ph.D.

Born 20th July 1952

Place of birth Ptuj, Slovenia

Education

1988 Doctorate in Pharmaceutical Sciences
 Faculty of Pharmacy, University of Belgrade
 Thesis: *Contribution to electroanalytical determination of active principles in some pharmaceutical preparations* (mentor professor Dr. Kosta Nikolić)

1982 Master's degree in Pharmaceutical Sciences
 Faculty of Pharmacy, University of Belgrade
 Thesis: *Polarographic determination of pharmaceutical preparations* (mentor professor Dr. Kosta Nikolić)

1976 Graduated from the Faculty of Pharmacy, University of Belgrade

1971 Graduated from the XIV Belgrade High School

Professional Experience

2001 Professor

1996 Associate Professor

1991 Assistant Professor

1983 Assistant

1977 Assistant intern (Institute of Physical Chemistry, Faculty of Pharmacy, Belgrade)

1976 Pharmacy internship, Apothecary Working Organization, *Belgrade*

Teaching

Lectures at integrated academic studies on the subjects *Physical Chemistry* and *Instrumental Methods*, at doctoral studies on *Physical-chemical phenomena and instrumental methods* and *Spectroscopic methods in Drug Analysis*, as well as on *Selected instrumental methods* at advanced specialist studies required by the healthcare system of several modules at the Faculty of Pharmacy in Belgrade.

Mentor

Mentor of 3 defended doctoral dissertations.

Member of the committee for the defense of 4 doctoral dissertations.

Mentor of 3 defended master theses

(two of them were awarded as the best master theses in 2002 and 2004 by the Belgrade Chamber of Commerce, and one by the Pharmaceutical factory *Krka*, Novo Mesto in 2003).

Member of the committee for the defence of one master thesis.

Member of the committee for the defense of 19 specialist works in the fields of Drug Analysis and Sanitary chemistry.

Mentor of 15 graduate theses and member of the committee for the defense of 57 graduate theses.

Scientific work

2011-2015 Leader of the Scientific Project *Modelling different chromatographic systems with chemometric approach in pharmaceutical analysis* (172052), funded by the Ministry of Education, Science and Technological Development of Republic of Serbia. In the Basic Research – Chemistry it is ranked as the fifth among a total of 63 projects, and on the common list of the Serbian research projects it is ranked 35/435. The leader as well as the project belong to the highest category A1.

2005-2010 Leader of the scientific project *Formulation and characterization of separation systems for modelling retention behaviour of medicinal substances by chemometric evaluation*, funded by the Ministry of Science and Environmental Protection. The project has earned the top rating for the success of the team in 2006. In the Basic Research – Chemistry it was ranked third out of 65 projects. The project leader as well as the project belonged to the highest category A1.

1991–2000 Head of the scientific project *Medicines and modern methods of analysis and control* funded by the Ministry of Science of Serbia.

1977–1990 Associate in the project *Coulometric, potentiometric, conductometric, polarographic and amperometric determination of pharmaceutical preparations* funded by the Ministry of Science of Serbia.

Scientific cooperation

In 1985 accomplished scientific cooperation with the Faculty of Pharmacy in Paris (Laboratoire de Chimie analytique et d'Électrochimie organiques, Faculté de Pharmacie Paris Sud / Paris XI – professors: M. Guernet and E. Nivaud–Guernet)

Conference Publications

Published 230 scientific papers, of which 116 printed in international (90) and national journals (26), all with recensions, and 114 papers presented at international scientific conferences.

Citations

According to the Scopus database of 1996, citations appeared 742 times (631 times without autocitation). Scientific success index being $h = 15$.

Textbooks and chapters in monographs

Author of 2 university textbooks:

1. Medenica, M., Malešev, D.: *Experimental Physical Chemistry*, Publisher M. Medenica, Belgrade 1998 (Second Ed. 2002).

2. Medenica, M., Malešev, D.: *Experimental Physical Chemistry and Instrumental Methods*, Publisher M. Medenica, Belgrade 1994 (Second Ed. 1996).

Author of Chapter in the monograph:

1. Jančić–Stojanović, B., Malenović, A., Ivanović, D., Medenica, M.: Artificial neural networks in the optimization of microemulsion liquid chromatography retention and resolution. In Kwon S. J., Editor. *Artificial Neural Networks*, Nova Science Publishers, Inc. New York, USA, 2011.

Monographs

Editor of the monograph *60 years of the Faculty of Pharmacy in Belgrade, from 1945 to 2005*, published in 2006. The monograph was nominated at the Belgrade Book Fair 2007 for the award of *publishing project of the year* by the Rector of the University of Belgrade. It was also nominated in 2007 for the Vuk Karadžić award for an outstanding contribution to the development of culture in Serbia.

Reviews

Reviewer for 5 university textbooks.

Reviewer for numerous scientific projects.

Reviewer of papers for scientific journals: *Talanta*, *Journal of Separation Science*, *Journal of AOAC International*, *Journal of Pharmaceutical and Biomedical Analysis*, *Chromatographia*, *Journal of Chromatography A*, *Acta Chimica Slovenica*, *Acta Chromatographica*, *Journal of the Serbian Chemical Society*, *Archives of Pharmacy*, *Chemical Industry* and others.

Training

From 1985 to 1989 several times visited the Faculty of Pharmacy in Paris during the work on the doctoral thesis.

Foreign Languages

Fluent in English and general proficiency in French.

Other activities

- Appointed by the Nobel Committee (The Nobel Committees for Physics and Chemistry) for the nomination of the laureates of the Nobel Prize for Chemistry in 2010.
- Head of the Department of Physical Chemistry and Instrumental Methods at the Faculty of Pharmacy, University of Belgrade (since 2007)
- Head of the Department of Physics and Physical Chemistry at the Faculty of Pharmacy (2001–2007)
- Expert of the Serbian Agency for medicines and medical devices (since 2013)
- Expert in the Federal Secretariat for Development and Science in the field of Pharmacy – Instrumental methods, Drug analysis (2002)
- Member of the Scientific Board for Chemistry, Ministry of Education and Science of the Republic of Serbia (since 2007)
- Member of the Commission for International Cooperation, University of Belgrade (2007–2009)
- Member of the Commission for medicine in the field of basic sciences, Ministry of Science, Technology and Development of Republic of Serbia (2001)
- Member of the Expert Council of Chemistry, Physical Chemistry and Biochemistry, University of Belgrade(1998–2002)
- Worked on the preparation of registration documents on *Chemical, pharmaceutical and biological testing of the quality of pharmaceutical products*
- Member of the Commission for taking the specialist examination in Drug Analysis (until 2012)

- Member of the Commission for taking the specialist examination in Sanitary chemistry (until 2012)
- Member of the Commission for the preparation of documents for the accreditation of the Faculty of Pharmacy for scientific research (2006)
- Member of the Working Group for adaptation of pharmacy studies to the European Union criteria in order to obtain grants (2002). A short course stay in Aberdeen and London in 2002.
- Member of the Council of the Faculty of Pharmacy (1980–1982, 1987–1989, 1997, 2002–2006)
- Member of the Commission for Postgraduate Studies (1991–1996, 2001–2006)
- Member of the Teaching Commission (1996–1998)
- Member of the Commission for the selection of the logo of the Faculty of Pharmacy (1992)
- Member of the Organizing Committee for the opening of the new building of the Faculty of Pharmacy (1991)
- Editor of the professional and informative journal in the field of pharmacy *InPharm* for which she wrote, translated or reviewed over a hundred expert texts (1995–2000)
- Delegate to SIZ for social care of children under school age (1982–1986)
- Secretary of the Section of the Faculty of Pharmacy at the Association of University Professors (1979–1982)
- Member of the Pharmaceutical Society of Serbia, the Union of Pharmaceutical Associations of Serbia
- Member of the Central Board of the Association of Friends of France (*L'Association des Amis de la France*) (2003–2010)

- Member of the Society of Friends of France (*L'Association des Amis de la France*)

Awards

- Winner of the *Plaque*, the highest recognition of the Pharmaceutical Society of Serbia, for significant results in improving the pharmaceutical profession and science (2008)