


# Curriculum Vitae

## PERSONAL DETAILS

<b>Name</b>	<b>Mirjana Perišić</b>	
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<b>Date and place of Birth</b>	11 <sup>th</sup> August, 1979. Čačak, Serbia	

## EDUCATION

	2016, PhD in Physics, Faculty of Physics, University of Belgrade 2007, BSc in Physics, Faculty of Physics, University of Belgrade
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## PROFESSIONAL STATUS

<b>Institution</b>	Institute of Physics Belgrade (from 2007)
<b>Laboratory</b>	Environmental Physics Laboratory
<b>Center</b>	Reinforcing Experimental Centre for Non-equilibrium Studies with Application in Nano-technologies, Etching of Integrated Circuits and Environmental Research
<b>Position</b>	Research Assistant Professor

## RESEARCH INTERESTS

	Indoor and outdoor air quality Characterization of air pollution sources and analysis of their spatial-temporal distribution Forecasting of pollutants concentrations and contributions of their sources Transport of air pollution Impacts of air pollution on human health Volatile organic compounds – VOC, inorganic gaseous pollutants (NO <sub>x</sub> , NO <sub>2</sub> , NO, SO <sub>2</sub> , CO and O <sub>3</sub> ), aerosols, meteorological parameters Atmospheric chemistry and physics
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<b>Measuring method</b>	Proton transfer reaction mass spectrometry (PTR-MS)
<b>Analytical method</b>	Statistics, receptor, hybrid receptor, dispersion, spatio-temporal
<b>Programming language</b>	Statistical software <i>R</i>

## RESEARCH PROJECTS

<b>National</b>	<p>2011 - 2017 Investigation of Climate Change and Its Influences on Environment: Monitoring the Influences, Adaptations, and Offsets. Serbian Ministry of Education and Science, national research project III43007</p> <p>2011 - 2017 Application of Low Temperature Plasmas in Biomedicine, Environmental Protection and Nanotechnologies. Serbian Ministry of Education and Science, national research project III41011</p> <p>2005 - 2010 Emission and Transmission of Pollutants in an Urban Atmosphere. Serbian Ministry of Education and Science, national research project 141012</p> <p>2008 - 2009 Development and application of contemporary archeometric-non-destructive methods in the analysis of cultural heritage artifacts. Serbian Ministry of Education and Science, national technological research project TR 19046</p>
<b>International</b>	<p>2017 - 2021 International Network to Encourage the Use of Monitoring and Forecasting Dust Products, COST Action CA16202, European Cooperation in Science and Technology</p> <p>2016 - 2018 GEO-CRADLE - Coordinating and integrating state-of-the-art Earth Observation Activities in the regions of North Africa, Middle East, and Balkans and Developing Links with GEO related initiatives towards GEOSS, Horizon 2020 (H2020) research and innovation programme under grant agreement No 690133</p> <p>2014 - 2017 Atmospheric pressure plasma jet for neutralisation of CBW (chemical biological weapons) – financed by NATO (SfP 984555)</p> <p>2006 - 2009 Reinforcing Experimental Centre for Non-equilibrium Studies with Application in Nano-technologies, Etching of Integrated Circuits and Environmental Research (IPB-CNP-026328), FP6</p>
<b>Commercial</b>	<p>2014 - 2015 Air Quality Plan for Belgrade agglomeration – financed by Belgrade City Government</p>

## PUBLICATIONS

<p><b>Book chapters</b></p>	<ol style="list-style-type: none"> <li>1. Stojić, A., Stanišić Stojić, S., Mijić, Z., Ilić, L., Tomašević, M., Todorović, M., <b>Perišić, M.</b>, 2015. Comprehensive Analysis of VOC Emission Sources in Belgrade Urban Area, In: Urban and Built Environments: Sustainable Development, Health Implications and Challenges, Editor: Alexis Cohen, Nova Science Publishers, NY, USA, ISBN: 978-1-62417-735-4, pp. 55-88.</li> <li>2. Tomašević, M., Mijić, Z., Aničić, M., Stojić, A., <b>Perišić, M.</b>, Kuzmanoski, M., Todorović, M., Rajšić, S., 2013. Air Quality Study in Belgrade: Particulate Matter and Volatile Organic Compounds as Threats to Human Health, In: Air Pollution: Sources, Prevention and Health Effects, Editor: Rajat Sethi, Nova Science Publishers, NY, USA, pp. 315-346, 2013. ISBN: 978-1-62417-735-4</li> <li>3. Mijić, Z., Stojić, A., <b>Perišić, M.</b>, Rajšić, S., Tasić M., 2012. In: Air Quality - New Perspective, Statistical Character and Transport Pathways of Atmospheric Aerosols in Belgrade, pp. 199 - 226, Edited by Gustavo Lopez Badilla, Benjamin Valdez and Michael Schorr, Published by InTech, ISBN: 978-953-51-0674-6.</li> <li>4. Mijić, Z., Rajšić, S., Žekić, A., <b>Perišić, M.</b>, Stojić, A., Tasić M., 2010. Characteristics and application of receptor models to the atmospheric aerosols research, Book chapter in Air quality edited by Ashok Kumar, pp. 143-167. ISBN 978-953-307-131-2.</li> </ol>
<p><b>International journals</b></p>	<ol style="list-style-type: none"> <li>1. <b>Perišić M.</b>, Maletić D., Stanišić Stojić S., Rajšić S., Stojić A., 2017. Forecasting hourly particulate matter concentrations based on the advanced multivariate methods, International Journal of Environmental Science and Technology, 14(5), 1047-1054.</li> <li>2. <b>Perišić, M.</b>, Rajšić, S., Šoštarić, A., Mijić, Z., Stojić, A., 2016. Levels of PM<sub>10</sub>-bound species in Belgrade, Serbia: spatio-temporal distributions and related human health risk estimation. Air Quality, Atmosphere &amp; Health, 10(1), 93-103.</li> <li>3. Stojić, A., Stanišić Stojić, S., Reljin, I., Čabarkapa, M., Šoštarić, A., <b>Perišić, M.</b>, Mijić, Z., 2016. Comprehensive analysis of PM<sub>10</sub> in Belgrade urban area on the basis of long-term measurements, Environmental Science and Pollution Research, 23(11), 10722-10732.</li> <li>4. Dmitrović, S., <b>Perišić, M.</b>, Stojić, A., Živković, S., Boljević, J., Živković, J. N., Mišić, D., 2015. Essential oils of two Nepeta species inhibit growth and induce oxidative stress in ragweed (<i>Ambrosia artemisiifolia</i> L.) shoots in vitro. Acta Physiologiae Plantarum, 37(3), 1-15.</li> </ol>

**Conference proceedings and  
book of abstracts**

5. Todorović, M. N., **Perišić, M. D.**, Kuzmanoski, M. M., Stojić, A. M., Šoštarić, A. I., Mijić, Z. R., Rajšić, S. F., 2015. Assessment of PM<sub>10</sub> pollution level and required source emission reduction in Belgrade area. *Journal of Environmental Science and Health, Part A*, 50(13), 1351-1359.
  6. **Perišić, M.**, Stojić, A., Stojić, S. S., Šoštarić, A., Mijić, Z., Rajšić, S., 2014. Estimation of required PM<sub>10</sub> emission source reduction on the basis of a 10-year period data. *Air Quality, Atmosphere and Health*, 8(4), 379-389.
  7. Mijić, Z., Stojić, A., **Perišić, M.**, Rajšić, S., Tasić, M., 2012. Receptor modeling studies for the characterization of PM<sub>10</sub> pollution sources in Belgrade. *Chemical Industry and Chemical Engineering Quarterly*, 18(4-2), 623-634.
  8. Mijić, Z., Stojić, A., **Perišić, M.**, Rajšić, S., Tasić, M., Radenković, M., Joksić, J., 2010. Seasonal variability and source apportionment of metals in the atmospheric deposition in Belgrade. *Atmospheric Environment*, 44(30), 3630-3637.
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1. Mijić, Z., **Perišić, M.**, Ilić, L., Stojić, A., Kuzmanoski, M. 2017. Air mass transport over Balkan region identified by atmospheric modeling and aerosol lidar technique, 49th International October Conference on Mining and Metallurgy, October 18-21, Bor Lake, Serbia, pp. 69-72.
  2. Stojić, A., Stanišić Stojić, S., **Perišić, M.**, Mijić, Z., 2017. Multiscale multifractal analysis of nonlinearity in particulate matter time series. 6th International WeBIOPATR Workshop & Conference Particulate Matter: Research and Management, September 6-8, Belgrade, Serbia, pp. 1-4.
  3. **Perišić, M.**, Vuković, G., Mijić, Z., Šoštarić, A., Stojić, A., 2017. Relative importance of gaseous pollutants and aerosol constituents for identification of PM<sub>10</sub> sources of variability. 6th International WeBIOPATR Workshop & Conference Particulate Matter: Research and Management, September 6-8, Belgrade, Serbia, pp. 1-4.
  4. Stanišić Stojić, S. S., Stojić, A., **Perišić, M.**, Šoštarić, A., 2016. Relationship between isoprene and related gaseous pollutants in an urban area, *Physical Chemistry 2016: proceedings*. 13th International Conference on Fundamental and Applied Aspects of Physical Chemistry, September 26-30, Belgrade, Serbia, Proceedings Volume II, pp. 711-714.
  5. **Perišić M.**, Stojić A., Stanišić Stojić S., 2016. Impact of remote sources on chromium concentrations in Belgrade and the related health risk, 13th International Conference on Fundamental and

Applied Aspects of Physical Chemistry, September 26-30, Belgrade, Serbia, Proceedings Volume II, pp. 735-738.

6. Mijić Z., **Perišić, M.**, Stojić, A., Kuzmanoski, M., Ilić, L., 2015. Estimation of atmospheric aerosol transport by ground-based remote sensing and modeling, XIX INTERNATIONAL ECO-CONFERENCE, 23-25 September, Novi Sad, Serbia, pp. 375-382.
7. Stojić, A., Stanišić Stojić, S., Šoštarić, A., Mijić, Z., **Perišić M.**, Rajšić, S., 2014. The contribution of chemical industry to ambient VOC levels in Belgrade, 12th International Conference on Fundamental and Applied Aspects of Physical Chemistry, September 22-26, 2014, Belgrade, Serbia, pp. 949-952.
8. Todorović, M., **Perišić, M.**, Stojić, A., Rajšić S., 2014. Source apportionment study in Belgrade urban area, Physical Chemistry 2014: proceedings. Vol. 1. 12th International Conference on Fundamental and Applied Aspects of Physical Chemistry, September 22-26, Belgrade, Serbia, pp. 929-932.
9. Šoštarić, A., **Perišić, M.**, Stojić, A., Mijić Z., Rajšić, S., 2014. Dynamics of gaseous pollutants in Belgrade urban area, 12th International Conference on Fundamental and Applied Aspects of Physical Chemistry, September 22-26, Belgrade, Serbia, pp. 953-956.
10. **Perišić, M.**, Mijić, Z., Stojić, A., 2013. Frequency analysis of PM<sub>10</sub> time series and assessing source reduction for air quality compliance in Serbia, 4th WeBIOPATR2013 Workshop Conference, October 2-6, Belgrade, Serbia, pp. 64-68.
11. Šoštarić, A., **Perišić, M.**, Stojić, A., Mijić, Z., Rajšić, S. and Tasić, M., 2013. The influence of air mass origin and potential source contributions on PM<sub>10</sub> in Belgrade, 4th WeBIOPATR2013 Workshop Conference, October 2-6, Belgrade, Serbia, pp.39-43.
12. **Perišić, M.**, Stojić, A., Mijić, Z., Todorović, M., Rajšić, S., 2013. Source apportionment of ambient VOCs in Belgrade semi-urban area, 6th International Conference on Proton Transfer Reaction Mass Spectrometry and Its Application, Book of Contributions, February 3-8, Innsbruck, Austria, pp. 204-208.
13. Stojić, A., **Perišić, M.**, Todorović, M., Nikitović, Ž., Jotić, A., Lalić, N., Petrović, Z., 2013. Application of PTR-MS measurements of volatile organic compounds (VOC) in medical science, Fifteenth annual conference of YUCOMAT, September 2-6, Montenegro.
14. **Perišić, M.**, Stojić, A., Todorović, M., Mijić, Z., Rajšić, S., 2013. Analiza dinamike i transporta CO, NO<sub>x</sub> i SO<sub>2</sub> u urbanoj sredini Beograda, XII Kongres fizičara Srbije, Zbornik radova, 28. april - 2. maj, Vrnjačka Banja, Srbija, str. 444-447.
15. Stojić, A., **Perišić, M.**, Mijić, Z., Todorović, M., Slavica Rajšić, 2013. Odredjivanje izvora emisije isparljivih organskih jedinjenja u

Beogradu, XII Kongres fizičara Srbije, Zbornik radova, 28. april - 2. maj, Vrnjačka Banja, Srbija, str. 453-456.

16. Todorović, M., **Perišić, M.**, Stojić, A., Rajšić, S., 2013. Concentrations trend of NO, NO<sub>2</sub> and O<sub>3</sub> during the 2011 in Belgrade urban area, Book of abstracts, the 6th Symposium Chemistry and Environmental Protection, May 21-24, Vršac, Serbia, pp. 320-321.
17. **Perišić, M.**, Todorović, M., Stojić, A., Kuzmanoski, M., Rajšić, S., 2013. Health risk assessment of VOCs in Belgrade semi-urban area, Book of abstracts, the 6th Symposium Chemistry and Environmental Protection, May 21-24, Vršac, Serbia, pp. 378-379.
18. Stojić, A., **Perišić, M.**, Mijić, Z., Rajšić, S., 2011. Ambient VOCs measurements in winter: Belgrade semi-urban area, 5th International Conference on Proton Transfer Reaction Mass Spectrometry and Its Application, Book of Contributions, 26 January – 2 February, Innsbruck, Austria, pp. 248-251.
19. Stojić, A., **Perišić, M.**, Mijić, Z., Rajšić, S., 2011. Ambient VOCs measurements in winter: Belgrade semi-urban area, 5th International Conference on Proton Transfer Reaction Mass Spectrometry and Its Application, Book of Contributions, Innsbruck, Austria, pp. 248-251.
20. Stojić, A., **Perišić, M.**, Mijić, Z., Rajšić, S., Ristić, D., 2011. Ambient VOCs measurement in Belgrade semi-urban area: winter case study, EUROanalysis, The 16th European conference on analytical chemistry Challenges in modern analytical chemistry, September 11-15, Belgrade, Serbia.
21. **Perišić, M.**, Stojić, A., Rajšić, S., Mijić, Z., 2010. Assessment of VOCs concentrations in Belgrade semi-urban area, Proceedings of the 10th International Conference of Fundamental and Applied aspects of Physical Chemistry, September 21-24, Belgrade, Serbia, pp. 579-581.
22. **Perišić, M.**, Stojić, A., Mijić, Z., Rajšić, S., 2010. Source apportionment of volatile organic compounds in Belgrade semi-urban area, Book of Abstracts, 11th European Meeting on Environmental Chemistry EMEC 11, Portorož, December 8-11, Slovenia, pp. 232.
23. Stojić, A., **Perišić, M.**, Mijić, Z., Rajšić, S., Ristić, D., 2010. Ambient VOCs Measurement In Belgrade Semi-Urban Area Using Proton Transfer Reaction Mass Spectrometer, 1st Center of Excellence for Food Safety and Emerging Risk (CEFSE) Workshop "Regional perspectives in food safety", 12th Danube-Kris-Mures-Tisa (DKMT) Euroregion Conference on Food, Environment and Health, CD Book of Abstracts, Faculty of Technology, University of Novi Sad, September, Novi Sad, Serbia.

24. Stojić, A., **Perišić, M.**, Mijić, Z., Rajšić, S., 2010. Proton Transfer Reaction Mass Spectrometry: Ambient Air VOCs Measurement in Belgrade Semi-urban Area, 20th ESCAMPIG, July, Novi Sad, Serbia.
25. Nestorović, J., Mišić, D., Šiler, B., Živković, S., Malović, G., **Perišić, M.**, Stojić, A., Grubišić, D., 2010. Application of PTR-MS in detection of volatile compounds: in vitro culture of three nepeta species, 20th ESCAMPIG, July, Novi Sad, Serbia.
26. Stojić, A., Rajšić, S., **Perišić, M.**, Mijić, Z., Tasić, M., 2009. Assessment of ambient VOCs levels in Belgrade semiurban area, 4th International Conference on Proton Transfer Reaction Mass Spectrometry and its Applications, IUP Innsbruck University Press, Conference Series, Eds. Tilmann D. Mark, Birgit Holzner, Contributions, February 16-21, 2009, Obergurgl, Austria, pp. 289-293.
27. Nestorović, J., Mišić, D., Šiler, B., Živković, S., Stojić, A., **Perišić, M.**, Grubišić, D., 2009. PTR-MS detection of nepetalactone in shoot cultures of three Nepeta species grown under different carbohydrate source, New research in biotechnology, Proceeding of the 2nd International Symposium, Bucharest, Romania, pp. 138.
28. Nestorović J., Mišić D., Stojić A., **Perišić M.**, Živković S., Šiler B., Aničić M., Malović G., Grubišić D., 2009. In vitro selection of nepetalactone-rich genotypes of Nepeta rtanjensis by using HPCL and PTR-MS, 4th International Conference on Proton Transfer Reaction Mass Spectrometry and its Applications, IUP Innsbruck University Press, Conference Series, Eds. Tilmann D. Mark, Birgit Holzner, Contributions, February 16-21, Obergurgl, Austria, pp. 263-267.
29. Stojić, A., **Nešić, M.**, Mijić, Z., Novaković, V., Rajšić, S., Tasić, M., 2008. Heavy metal concentrations in street dust and soils adjacent to roads in Belgrade, Serbia, 9th Highway and Urban Environment Symposium, Books of abstracts, June, 9-11, Madrid, Spain, pp. 87.
30. Stojić, A., **Perišić, M.**, Petrović, N., 2008. Merenje isparljivih organskih jedinjenja u realnom vremenu masenim spektrometrom (PTR-MS) Naučnostrucni skup sa međunarodnim učešćem, Zbornik radova, Institut zaštite, ekologije i informatike, Novembar 14-15, Banja Luka, Bosna i Hercegovina, str. 257-262.
31. **Nešić, M.**, Stojić, A., Mijić, Z., Rajšić, S., Tasić, M., 2008. First results of ambient VOCs measurements using PTR/MS IN Belgrade, 5th Symposium Chemistry and Environmental Protection, Ed. The Serbian Chemical Society, Book of abstracts, June, 27-30, Tara, Serbia, pp. 41.
32. Nestorović, J., Mišić, D., Šiler, B., Grubišić, D., **Nešić, M.**, Stojić, A., Tasić, M., 2008. Uticaj isparljivih jedinjenja rtanjske metvice (Nepeta rtanjensis) na klijanje semena Lepidum sativum:

alelopatski potencijal. IX dani lekovitog bilja, Book of abstracts, Kosmaj, Srbija, pp. 138.

33. **Nešić, M.**, Stojić, A., Mijić, Z., Novaković, V., Rajšić, S., 2007. First results of outdoor and indoor VOCs measurements using PTR-MS i Belgrade, Serbia, 8th European Meeting on Environmental Chemistry (EMEC8), Book of abstracts, December 5-8, Inverness, Scotland, pp. 37.