CURRICULUM VITAE

First name: **MIRA**

Surname: **ANIČIĆ UROŠEVIĆ**

Official address:

Environmental Physics Laboratory, Institute of Physics,
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Date and place of birth: May 26, 1979. Pljevlja, Montenegro

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Education (*degrees, dates, universities)*

2002 - BSc (Ecology and protection of environment, Faculty of Biology, University of Belgrade, Serbia)
2006 – MSc (Department for Environmental Chemistry, Faculty of Chemistry, University of Belgrade, Serbia)
2010 - PhD (Department for Environmental Chemistry, Faculty of Chemistry, University of Belgrade, Serbia)

Career/Employment (*employers, positions and actes)*

2005-2006	Graduate Student at Institute of Physics, University of Belgrade
2006-2010	Research Assistant of Environmental Physics Laboratory, Institute of Physics, University of Belgrade
2011-present	Research Assistant Professor of Environmental Physics Laboratory, Institute of Physics, University of Belgrade

Specialization (*specify)*

(i) main field

Biomonitoring for studying and protection of the environment

(ii) other fields

Analytical techniques: AAS, HP ICP-MS, ICP-OES, INAA

(iii) current research interest

Biomonitoring of atmospheric pollutants (trace elements) in the urban area using moss and tree leaves and different analytical techniques: AAS, HP ICP-MS, ICP-OES, INAA, i.e. biomonitoring the anthropogenic impact on the environment

Publications

- Books (chapter):

1. Mirjana Tasić, Slavica Rajšić, Milica Tomašević, Zoran Mijić, **Mira Aničić**, Velibor Novaković, Dragan M Marković, Dragan A Marković, Lazar Lazić, Mirjana Radenković, Jasminka Joksić: *Assessment of Air Quality in an Urban Area of Belgrade, Serbia*, In: Environmental technologies, New Developments, Edited by E. Burcu Ozkaraova Gungor, I-Tech Education and Publishing, Vienna, Austria, www.i-technoline.com, ISBN 978-3-902613-10-3, 2008, pp. 209-244.

2. Dragana Popović, Dragana Todorović, **Mira Aničić**, Milica Tomašević, Jelena Nikolić, Jelena Ajtić (2010) *In* : Air quality, Trace elements and radionuclides in urban air monitored by moss and tree leaves, pp. 117-142, Edited by Ashok Kumar, Published by Sciyo, ISBN 978-953-307-131-2, pp.117-142.
http://www.intechopen.com/books/air-quality

3. **M. Aničić**, Z. Mijić, M. Kuzmanoski, A. Stojić, M. Tomašević, S. Rajšić and M. Tasić (2012) A Study of Airborne Trace Elements in Belgrade Urban Area: Instrumental and Active Biomonitoring Approach, In: Trace Elements: Environmental Sources, Geochemistry and Human Health, Editors: Diego Alejandro De Leon and Paloma Raquel Aragon, Nova Science Publishers, NY, USA, ISBN: 978-1-62081-401-7, pp.1-30
https://www.novapublishers.com/catalog/product_info.php?products_id=30058&osCsid=cc956b5e1008d06c56c891f47982d91c

4. M. Tomašević, Z. Mijić, **M. Aničić**, A. Stojić, M. Perišić, M. Kuzmanoski, M. Todorović and S. Rajšić (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, ISBN: 978-1-62417-735-4,
https://www.novapublishers.com/catalog/product_info.php?products_id=38962&osCsid=cc956b5e1008d06c56c891f47982d91c

- Papers in international journals:

1. **Aničić M.**, Frontasyeva M.V., Tomašević M., Popović A. (2006): *Assessment of atmospheric deposition of heavy metals and other elements in Belgrade using moss biomonitoring technique and neutron activation analysis*, Environmental Monitoring and Assessment 129, 207-219

2. **Aničić M.**, Tasić M., Frontasyeva M.V., Tomašević M., Rajšić S., Strelkova L.P., Popović A., Steinnes E. (2009): *Active biomonitoring with wet and dry moss: A case study in an urban area*, Environmental Chemical Letters 7, 55-60

3. **Aničić M**., Tasić M., Frontasyeva M.V., Tomašević M., Rajšić S., Mijić Z., Popović A. (2009): *Active moss biomonitoring of trace elements with Sphagnum girgensohnii moss bags in relation to atmospheric bulk deposition in Belgrade, Serbia*, Environmental Pollution 157, 673-679

4. **Aničić M**, Tomašević M., Tasić M., Rajšić S., Popović A., Frontasyeva M.V., Lierhagen S., Steinnes E. (2009): *Monitoring of trace element atmospheric deposition using dry and wet moss bags: Accumulation capacity versus exposure time*, Journal of Hazardous Materials 171 (2009), 182-188

5. Šućur Katarina, **Aničić Mira**, Tomašević Milica, Antanasijević Davor, Perić-Grujić Aleksandra and Ristić Mirjana (2010) Urban decidious tree leaves as biomonitors of trace element (As, V, and Cd) atmospheric pollution in Belgrade, Serbia, *Journal of the Serbian Chemical Society* 75 (10), 1453-1461

6. **Aničić M**., Spasić T., Tomašević M., Rajšić S., Tasić M. (2011) Trace element accumulation and temporal trends in leaves of urban decidious trees (*Aesculus hippocastanum* & *Tilia spp.*), *Ecological Indicators* 11, 824–830

7. M. Tomašević, **M. Aničić**, Lj. Jovanović, A. Perić-Grujić, M. Ristić (2011) Deciduous tree leaves in trace elements biomonitoring: A contribution to methodology, *Ecological Indicators* 11, 1689–1695

8. M. Tomašević, **M. Aničić** (2011) Trace element content in urban tree leaves and SEM-EDAX characterization of deposited particles, Facta Universitatis Series: Physics, Chemistry and Technology Vol. 8, No 1, 2010, pp. 1 – 13 DOI: 10.2298/FUPCT1001001T

9. Gorelova SV, Frontasyeva MV, Yurukova L , Coskun M, Pantelica A, Saitanis CJ, Tomasevic MN, **Anicic MP** (2011): Revitalization of urban ecosystems through vascular plants: preliminary results from the BSEC-PDF project, AGROCHIMICA, vol. 55 No. 2, pp. 65-84.

10. M. Tomašević, D. Antanasijević, **M. Aničić**, I. Deljanin, A. Perić-Grujić, M. Ristić (2013): Lead concentrations and isotope ratios in urban tree, *Ecological Indicators* 24, pp. 504-509. http://dx.doi.org/10.1016/j.ecolind.2012.08.007

International meetings (Proceedings):

1. **M. Aničić**, M.V. Frontasyeva, M. Tomašević and A. Popović: *Assessment of trace element atmospheric deposition in Belgrade and source apportionment using moss and INAA* (**poster**), Proceedings II, The 8th International Conference on Fundamental and Applied Aspects of Physical Chemistry, Belgrade, Serbia, September 26-29, 2006, pp. 627-629.

2. **M. Aničić**, M. Tasić, M.V. Frontasyeva, M. Tomašević, S. Rajšić, L.P. Strelkova and E. Steinnes: *Active moss biomonitoring of atmospheric trace element deposition in urban area using INAA and AAS analytical techniques* (**oral**) Nuclear Physics Methods and Accelerators in Biology and Medicine, Fourth International Summer School on Nuclear Physics Methods and Accelerators in Biology and Medicine, Prague, Czech Republic, 8-19 July 2007, Editors: C. Granja, C. Leroy, I. Stekl, AIP Conference Proceedings, Vol. 958, New York, 2007, pp. 222-223.

3. **Mira Aničić**, Aneta Sabovljević, Milica Tomašević: *Assessment of moss vitality during active trace elements biomonitoring*, **(poster)**, Proceedings (Volume II), The 10th International Conference on Fundamental and Applied Aspects of Physical Chemistry, Belgrade, Serbia, September 21-24, 2010, pp. 555-557.

4. M. Kuzmanoski, M.Todorović, **M. Aničić Urošević**, S. Rajšić, M.Tasić: *XRF analysis of heavy metal content in soil samples using MINIPAL 4 spectrometer* **(poster)**, Proceedings (Volume II), The 11th International Conference on Fundamental and Applied Aspects of Physical Chemistry, Belgrade, Serbia, September 24-28, 2012, pp. 660-662.

5. Mira Aničić Urošević, Gordana Vuković, Ivana Razumenić, Zoya Goryainova, Marina Frontasyeva, Milica Tomašević & Aleksandar Popović: *Active moss biomonitoring of small scale inner city spatial distribution of ambient trace elements in Belgrade urban area* (**oral presentation**), BIOMAQ Conference, November 12-14, Antwerpen, Belgium, pp. 24-27.

Projects:

International:

- 2011-2013: „Atmospheric deposition study in street canyon of Belgrade and Moscow“, bilateral cooperation Ministry of Education and Science, Serbia and JINR, Russia; coordinator of the projects: Prof. dr Marina V. Frontasyeva and dr Mirjana Tasić.
- Participation in international projects: “Revitalization of urban ecosystems through vascular plants: assessment of technogenic pollution impact” BSEC/PDF/0018/11.2008) funded by Black Sea Economic Cooperation (BSEC): coordinator of the project: Prof. dr Lilyana Yurukova; from 2008 to 2009.
- Participation in projects FP6: “Reinforcing Experimental Centre for Non-equilibrium Studies with Application in Nano-technologies, Etching of Integrated Circuits and Environmental Research” (IPB-CNP-026328), coordinator of the project: Prof. dr Zoran Petrović, from 2006 to 2009.
- 2007: „Активни биомониторинг атмосферске депозиције тешких метала и других елемената у урбаној средини и индустријским зонама коришћењем маховина“ (Balkan Environmental Association, BENA стипендија).

National:

- 2011 - 2014: “Истраживање климатских промена и њиховог утицаја на животну средину - праћење утицаја, адаптација и ублажавање; потпројекат: Интегрална истраживања квалитета ваздуха у урбаној средини” (Министарство за науку и технолошки развој Републике Србије, интегрална и интердисциплинарна истраживања)
- 2011 - 2014: “Минерални стрес и адаптације биљака на маргиналним пољопривредним земљиштима” (Министарство за науку и технолошки развој Републике Србије, основна истраживања); *eng.: Mineral stress and plant adaptations to marginal agricultural soils*
- 2006 – 2010: „Емисија и трансмисија загађујућих материја у урбаној атмосфери“ (Министарство за науку и технолошки развој Републике Србије, основна истраживања, бр. 141012)
- 2005 – 2006: „Истраживање квалитета ваздуха урбане средине: тешки метали, радионуклиди и њихове интеракције у атмосфери“ (Министарство за науку и технолошки развој Републике Србије, основна истраживања)

Awards:

2007 - Award for Excellency and best Student Talk at International Summer School on Nuclear Physics Methods and Accelerators in Biology and Medicine, Prague, Czech Republic.

2009 – The first price for the best poster presentation for young scientist from Europe and Latin America at 5th International Workshop on Biomonitoring of Atmospheric Pollution, Buenos Aires, Argentina.

Fellowship

- 2007 - Balkan Environmental Association (BENA) fellowship

PhD thesis:

М.Аничић, **„Активни биомониторинг атмосферске депозиције елементата у траговима у урбаној средини коришћењем маховине *Sphagnum girgensohnii* Russow“**, Хемијски факултет, Универзитет у Београду, 03.09.2010.

Msc thesis:

М.Аничић, **„Маховине као биоиндикатори загађености ваздуха урбане средине тешким металима и другим елементима”**, Хемијски факултет, Универзитет у Београду, 13.10.2006.

Bsc work:

М.Аничић, **„Рударско-енергетски комплекс Пљевља – стање, проблеми и перспективе биолошке рекултивације депонија јаловине и пепела“**, Биолошки факултет, Универзитет у Београду, 26.10.2002.

Supervisions:

1. Гордана Вуковић, **„Активни биомониторинг елемената у траговима у ваздуху градских улица кањонског типа и тунелу коришћењем маховине *Sphagnum girgensohnii* Russow“** (мастер рад)**,** Хемијски факултет, Универзитет у Београду, 24.09.2012.

2. Ivana Razumenić, **„Aktivni biomonitoring elemenata u tragovima u vazduhu javnih gradskih garaža Beograda korišćenjem mahovine *Sphagnum girgensohnii* Russow“** (master rad), Hemijski fakultet, Univerzitet u Beogradu, 24.09.2012.