

## CV

**Proposed role in the project: Medicine**

**Category:**

1. **Family name:** Djurovic
2. **First names:** Dijana
3. **Nationality:** Montenegrin
4. **Civil status:** married
5. **Contact details (address, e-mail, telephone):** slobode 59, Podgorica: [dil@t-com.me](mailto:dil@t-com.me); [dijana.djurovic@ijzcg.me](mailto:dijana.djurovic@ijzcg.me); +38267266459
6. **Education:**

Institution [ Date from - Date to ]	Degree(s) or Diploma(s) obtained:
<b>Faculty of chemistry University of Belgrade, Serbia (1989-1995)</b>	<b><i>Graduated chemist for research and development</i></b>
<b>Faculty of Pharmacy- University of Belgrade, Serbia (1998-2002)</b>	<b><i>Post graduate studies – Specialist of sanitary chemistry</i></b>
<b>Metallurgy- Technology Faculty- University of Montenegro</b>	<b><i>MSc of chemical technology</i></b>

<b>2006-2010</b>	.
<b>Faculty of Chemistry- University of Belgrade, Serbia 2010-now</b>	<b><i>Ph.D. Studies in biochemistry</i></b>

7. **Language skills:** Indicate competence on a scale of 1 to 5 (1 - excellent; 5 - basic)

Language	Reading	Speaking	Writing
english	1	1	1
italian	5	5	5

8. **Membership of professional bodies:** focal point for Protocol water and health, member of working groups for preparing law (Food safety law) and many Regulations in Ministry of health of Montenegro, member of Chemical society of Montenegro, member of water protection society, juridical expert for chemistry and environmental protection.

1. **Other skills:** Literate in MS Word, MS Excel, e-mail and Internet software, assistant at Faculty of Pharmacy on subjects: Pharmaceutical control and drug analysis and Toxicology chemistry

2. **Present position:** Head of water, soil and air quality control department at Institute of public health

3. **Name of institution/firm/organization:** Institute of public health of Montenegro

4. **Years within the institution/firm/organisation:** 18

5. **Key qualifications:** Sole person responsible for determination of heavy and toxic metals in water, soil and food samples. Familiar with sample preparation on SPE of food and water and determination of pesticides and PCBs, preservatives in food on GC, GC/MS and HPLC. Determination of TOC (Total Organic Carbon), and other organic and inorganic elements in food and environment samples using UV/VIS technique. Introduced and pioneered the use of water control parameters and standards set by ASM (American Standards Methods) and EPA (Environmental Protection Agency).

6. **Specific experience in the region:**

Country	Date from - Date to
<b>Teramo, Italy Heavy metals course-validation of methods (part of the project “Food safety in Montenegro”</b>	<b>7-15 April 2013.</b>
<i>Netherlands “Basic Course of Toxicology” organized by EUROTOX, Belgrade, Serbia</i>	<b>25 June-3 July 2011</b>
<i>Completed Analytical Skills Development Course organized by Technical Secretariat of OPCW in</i>	<b>23 June to 7 July 2006</b>

## 7. Professional experience

Date from - Date to	Location (Country)	Organisation/ Company	Position	Description of responsibilities and activities
2002-present	Podgorica	Institute of Public Health of Montenegro Boban Mugoša	Head of Department for Water and Soil Control	Managing with laboratory for analysis of water, soil and air contaminant, especially heavy metals. Prepare laboratory for accreditation.
2002	Podgorica	Institute of Public Health of Montenegro Boban Mugoša	Sanitation Specialist	Preparation and testing of water, soil and food samples in the laboratory Writing reports and opinion

1995-2002	Podgorica	Institute of Public Health of Montenegro Novica Vujošević	Chemical Engineer	Analysis and preparation of water samples for testing for pesticides, heavy metals, organic and inorganic compounds
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## 8. Other relevant information

### Master thesis

1. **D. Đurović**, "Uticaj teških metala na kvalitet životne sredine Zetske ravnice" Metalurško-tehnološki fakultet, Univerzitet Crne Gore, 2010. god. (koeficijent **K.6.2.** =2) (Heavy metals impact on environmental quality of Zeta plain)-University of Montenegro

### **Publications-scientific papers**

2. N.Blagojević, B. Damjanović-Vratnica, V.Vukašinović-Pešić, **D.Đurović**, "Heavy metals content in leaves and extracts of wild-growing *Salvia officinalis* from Montenegro," *Polish Journal of Environmental Studies* (ISSN:1230-1485), Volume 18, Issue 2, Apr. 2009, Page(s) 167-173, ISSN:1230-1485. (koeficijent **K.3.2.** =1)
3. N. Blagjević, V.L.Vukašinović, **D. Đurović**: Migration and total concentration of heavy metals in soil samples from Zeta Valley, Montenegro", *Research Journal of Chemistry and Environment*, dec. 2008, Vol. 12(4) pp.76, ISSN:0972-0626. (koeficijent **K.3.2.** =1.3 )
4. **D.Đurović**, Lj. Nikolić, D. Radonjić, Đ.Perić, "Kvalitet vode za piće vodovoda Podgorica u toku 2003 godine, Kvalitet voda 2004, godišnja publikacija Jugoslovenskog društva za zaštitu voda, VODA 2004, str. 599-602 (koeficijent **K.3.3.** =1 )
5. **D.Đurović**, V.Delević, M.Karajić, "Kvalitet vode izvorišta Zagorič", godišnja publikacija Jugoslovenskog društva za zaštitu voda, VODA 2003, str. 325-328 , (koeficijent **K.3.3.** =1 )
6. **D.Đurović**, **N.Blagojević**, "Sadržaj metala i fluoride u bunarskim vodama naselja Zetske ravnice", *Kvalitet voda* , godina V, br.. 5, ISSN 1451-5571, str. 68-73, Novi Sad 2007 , (koeficijent **K.3.3.** =1 )
7. **D.Đurović**, S.Labović, Đ.Perić, A.Vujačić, "Kvalitet otpadnih voda u Crnoj Gori",Prvi međunarodni simpozijum o koroziji i zaštiti materijala i životnoj sredini-knjiga radova, novembar 2010, Bar, str. 102-105, (koeficijent **K.4.2.** =0.125 )

8. B.Damjanović-Vratnica, N.Bлагоjević, D.Raonić, **D.Đurović**, “Ispitivanje sadržaja teških metala u zemljištu i vegetaciji-uticaj saobraćaja”, Prvi međunarodni simpozijum o koroziji i zaštiti materijala i životnoj sredini-knjiga radova, novembar 2010, Bar, str.260-264, **(koeficijent K.4.2. =0.125 )**
9. V.Delević, **D.Đurović**, “Prirodne mineralne vode kao izvor minerala u ishrani”, Zbornik radova, 2. Sajam vode, vodovodi i sanitarne tehnologije, April 2007, Budva, str. 7-11, **(koeficijent K.4.2. =0.25 )**
10. **D. Đurović**, I. Nikolić, R. Zejak, M.Tadić. V. Radmilović, *Conversion of fly ash in the environmental friendly materials thorough geopolymerisation process*, 44<sup>th</sup> international October Conference on Mining and Metallurgy, IOC44, 1-3 October 2012, Bor, Serbia, pp.347-352 **(koeficijent K.4.1. = 2)**

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11. R. Zejak, I. Nikolić, **D.Đurović**, B.P.Mugoša,D. Blečić, V. Radmilović, *Influence of Na<sub>2</sub>O/Al<sub>2</sub>O<sub>3</sub> and SiO<sub>2</sub>/Al<sub>2</sub>O<sub>3</sub> ratios on the immobilization of Pb from electric arc furnace into the fly ash based geopolymers*, 16<sup>th</sup> International Conference on Heavy metals in the Environment, ICHMET 2012, 23-27 September Rome, Italy ( E3S Web of Conferences) **(koeficijent K.4.1. = 0,4)**
12. I. Nikolić, M. Tadić **D. Đurović**, B.P. Mugoša, *Immobilization of Zn<sup>2+</sup> from metallurgical waste and waste waters using geopolymerization technology*, 16<sup>th</sup> International Conference on Heavy metals in the Environment, ICHMET 2012, 23-27 September Rome, Italy ( E3S Web of Conferences) **(koeficijent K.4.1. = 0.5)**
13. M. Tadić. **D. Djurović**, B. Mugosa, I. Nikolić, *Fly ash based geopolymers as potential adsorbent for Cu removal from wastewater*, International Conference of Ecosystem, ICE 2012, 1-6, Jun, 2012, Tirana, Albanija, pp. 142-145 **(koeficijent K.4.1. = 0,5)**
14. Irena Nikolić, **Dijana Đurović**, Radomir Zejak, Ljiljana Karanović, Milena Tadić, Dragoljub Blečić, Velimir R. Radmilović, *Compressive strength and hydrolytic stability of fly ash based geopolymers; Journal of the Serbian Chemical Society*, ( Science Citation Index)**(koeficijent K.3.2. =0.6 )**

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15. I.Častvan-Jankovi, J. Krivokapić, **D. Đurović**, V.V. Radmilović, V.R.Radmilović *Geopolymerization of low grade bauxite*, *Materiali in tehnologije* (Science Citation Index) (in press) **(koeficijent K.3.2 =0.8)**
16. IrenaNikolić, **Dijana Đurović**, Dragoljub Blečić, Radomir Zejak, Ljiljana Karanović, Stefan Mitsche, Velimir.R. Radmilović, *Geopolymerization of coal fly ash in the presence of electric arc furnace dust*, *Minerals Engineering* (Science Citation Index), **(koeficijent K.3.1= 0.7)**

17. V. Kastratović, S. Krivokapić, **D. Đurović**, N. Blagojević, SEASONAL CHANGES IN METAL ACCUMULATION AND DISTRIBUTION IN THE ORGANS OF *Phragmites australis* (common reed) FROM LAKE SKADAR, MONTENEGRO, *J. Serb. Chem. Soc.* Vol. 78, No. 8, p. 1241-1258 (2013) **(koeficijent K.3.2. =1)**
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18. R.M. Zejnilović, V.R. Kastratović, **D.D. Đurović**, S.D. Krivokapić, Ž.K. Jaćimović, B.P. Mugoša, N.Z. Blagojević, METAL POLLUTION ASSESSMENT OF THE SKADAR LAKE SEDIMENTS, XIV YuCorr International Conference, Proceedings, p. 234-242, Tara, Srbija, 17 – 20 April, 2012. **(koeficijent K.4.1. = 0.3)**
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19. V.R. Kastratović, **D.D. Đurović**, S.D. Krivokapić and B.P. Mugoša, MOBILITY AND BIOAVAILABILITY OF METALS IN SEDIMENTS OF SKADAR LAKE - MONTENEGRO, 16<sup>th</sup> International Conference on Heavy Metals in the Environment, Proceedings, E3S Web of Conferences, 23-27 September 2012, Rome, Italy **(koeficijent K.4.1. = 0.5)**
20. **D.Đurović**, Z.Bulat and V.Matović, „Cadmium, Mercury and Lead in *Hypericum perforatum* L. Collected in Western Serbia“, 16<sup>th</sup> International Conference on Heavy metals in the Environment, ICHMET 2012, 23-27 September Rome, Italy ( E3S Web of Conferences) **(koeficijent K.4.1. = 2)**
21. A. Vujačić, **D.Đurović**, Đ.Perić, B.Mugoša and N.Blagojević, “Kvalitet kanalizacionog mulja sa postrojenja za prečišćavanje otpadnih voda Podgorice”, Drugi međunarodni simpozijum o koroziji i zaštiti materijala i životnoj sredini-knjiga radova, oktobar 2012, Bar, str. 260-265, **(koeficijent K.4.2. =0.1)**
22. B.Damjanović-Vratnica, N.Blagojević, D.Raonić and **D.Đurović**, “Monitoring sadržaja teških metala u zemljištu u blizini Kombinata aluminijuma Podgorica” Drugi međunarodni simpozijum o koroziji i zaštiti materijala i životnoj sredini-knjiga radova, oktobar 2012, Bar, str. 313-318, **(koeficijent K.4.2. =0.125)**
23. Boban Mugoša, **Dijana Đurović**, Aleksandar Vujačić, Snežana Labović-Barjaktarević, “Metals in playground and park soil of Podgorica city, Montenegro”, International Science Conference-Reporting for Sustainability, Proceedings, 7-10 May 2013, Bečići Montenegro, **(koeficijent K.4.1. = 0.5)**
24. Roganović D. **Đurović D.** “ODREĐIVANJE SADRŽAJA TEŠKIH METALA U KORI ČEMPRESA (*CUPRESSUS SEMPERVIRENS* L.) U OKOLINI KOMBINATA ALUMINIJUMA PODGORICA (KAP) – CRNA GORA” 1<sup>st</sup> International Scientific Conference-COMETa2012, Novembar 2012 Jahorina, BiH **(koeficijent K.4.1. = 1)**

25. Roganovic D., **Djurovic D.**, Blagojevic N. and Vujacic A. “Investigation of the Heavy Metals content in Cypress Tree bark (*Cupressus sempervirens* L. var. *pyramidalis*) on the Territory of the Central and Southern part of Montenegro” *Res.J.Chem.EnvIRON.* Vol.17(2) February (2013) (koeficijent K.3.2. =1 )
26. Dragan Roganović, **Dijana Đurović** “Determination of heavy metals content in cypress tree bark (*Cupressus sempervirens* L.) in coastal area of Montenegro”, *Natura Montenegrina*, Podgorica, 2013, 12(1): 117-123 (koeficijent K.4.2. =0.5)
27. Dragan Roganović, **Dijana Đurović** “Heavy metals content in cypress tree bark (*Cupressus sempervirens* L.) in the Virpazar area-Skadar lake National park-Montenegro”, *Agriculture and Forestry*, Vol.59. Issue 4: 107-113, 2013, Podgorica (koeficijent K.4.2. =0.5)
28. Boban Mugoša, **Dijana Đurović**, Aleksandar Vujačić, Aleksandra Pirnat, Mara Džomić, Nebojša Kavarić „Biomonitoring Cd, Pb, Cu i Zn u krvi djece predškolskog uzrasta u Podgorici“, *Medical Journal of Montenegro* (in press) (koeficijent K.4.2. =0.17)
29. Boban Mugoša, **Dijana Đurović**, Aleksandra Pirnat, Zorica Bulat, Snežana Barjaktarović-Labović, *Evaluation of risk assessment to children's health based on the content of heavy metals in urban soil samples of Podgorica, Montenegro* (Science Citation Index), rad predložen za štampu (koeficijent K.3.2. =0.8 )
30. Mirko KNEŽEVIĆ, **Dijana ĐUROVIĆ**, Boban MUGOŠA, Miloš STRUNJAŠ and Ana TOPALOVIĆ, RELATIONSHIPS BETWEEN PARAMETERS OF SOIL AND CHARD (*BETA VULGARIS* L. VAR. *CICLA* L.), *Agriculture & Forestry*, Vol. 60 Issue 3: 275-283, 2014, Podgorica, (koeficijent K.4.2=0.2)
31. Vlatko Kastratović, Slađana Krivokapić, Miljan Bigović, **Dijana Đurović** and Nada Blagojević Bioaccumulation and translocation of heavy metals by *Ceratophyllum demersum* from the Skadar Lake, Montenegro *J. Serb. Chem. Soc.* 79 (11) 1445–1460 (2014) (koeficijent K.3.2. =0.8 )

**Other publications**      **December 2011.** Co-author: “Geochemistry and environmental evaluation of the Skadar lake sediments  
Books of Abstracts (EMEC12), France

**November 2011:** Co-author: "Study of short-term supplementation of sportsmen with minerals", III Congress of dietary supplements, Belgrade, Serbia

**September 2011:** Co-author: "Speciation of heavy metals in sediment of Skadar lake-National Park of Montenegro" EUROanalysis16, Belgrade, Serbia

**Maj 2011:** Co-author: "Distribution of metals in sediment and accumulation in aquatic macrophytes of Skadar Lake", book of abstracts DFB 2011, Serbia

**December 2010:** Author: "Content of heavy metals in Zeta plain environment" - oral presentation EMEC 11, Portorož, Slovenia

**December 2009:** Author: "Heavy metal content in herbal dietary supplements produced in China and India", Books of Abstracts, 2<sup>nd</sup> Congress of dietary supplements, Belgrade 2009, Serbia

**December 2009:** Co-author: "Chromium and iron content in dietary supplements", Books of Abstracts, 2<sup>nd</sup> Congress of dietary supplements, Belgrade 2009, Serbia

**December 2009:** Co-author: "Heavy metals in sediment of Skadar Lake – Montenegro", Books of Abstracts (EMEC10), France

**December 2010:** Author: "Heavy metals content in Zeta plain environment", accepted as oral presentation on EMEC 11 in Portorož, Slovenia

**October 2009:** Author. "Review of phytoremediation methods of heavy metals", Books of Abstracts 2<sup>nd</sup> Congress of chemistry, Bar, Montenegro

**October 2008:** Co-author "Determination of pesticides residue in fruit samples" Books of Abstracts, 11<sup>th</sup> Congress of nutrition with international participation, Belgrade, Serbia

**September 2008:** Co-author "Determination of pesticides and heavy metals in fruit juices" Books of Abstracts (ICOSECS 6), Sofia, Bulgaria

**September 2008:** Co-author "Bioaccumulation of polychlorinated biphenyl in plants", Books of Abstracts (ICOSECS 6), Sofia, Bugarska

**Maj 2007:** Co-Author "Natural mineral waters-source of minerals in nutrition", Book of Abstracts, Mediterranean fair, Budva

**December 2006:** Author "Content of heavy metals in food samples in surrounding area of Aluminum factory Podgorica during the period 1993-2005", Books of Abstracts (EMEC7), Brno, Czech Republic

**September 2006:** Co-author "Content of heavy metals in soil, food and grass in the surrounding area of Aluminum Factory and highroad", Book of Abstracts (ICOSECS 5), Ohrid, Macedonia

**May 2006:** Mediterranean fair Budva "Drinking water quality in Montenegro during period 2005", Book of Abstracts

**December 2005:** Author, "Content of Pb, Al and Cr in drinking waters from wells in the surrounding



area of Aluminum Factory Podgorica”, Book of Abstracts (EMEC6)

**December 2005:** Co-Author, Content of Pb, Cd, Cu and Zn in the soil in the surrounding area of Aluminum Factory Podgorica, Book of Abstracts (EMEC6)

**June 2004:** Author, “Water Quality in the Water Management Company of Podgorica during 2003”, in *Water Quality 2004*, annual publication issued by Serbia & Montenegro Association for Water Protection

**May 2004:** Co-Author, “Dexamethasone in Fresh Poultry Samples”, in *Book of Abstracts*, issued by the Second International Conference on Occupational and Environmental Health in Mediterranean, South-East and Central European Countries

**June 2003:** Author, “Water Quality of the Zagoric Source in Podgorica”, in *Water Quality 2003*, annual publication issued by Serbia & Montenegro Association for Water Protection

**June 2002:** Co-Author, “Determination of Organ Chlorine Pesticides in Drinking Water”, in “*Water Magazine*” issued in Novi Sad, Serbia

**October 2001:** Author, “Presence of Chromium in Drinking Water and Its Influence on Human Health”, in *Book of Abstracts* issued by 11<sup>th</sup> Congress of Healthcare Professionals, Herceg Novi, Montenegro