



1. **Family name:** VRATNICA
2. **First names:** ZORAN
3. **Date of birth:** 28.03.1963.
4. **Nationality:** Montenegro
5. **Civil status:**
6. **Contact details (address, e-mail, telephone):** Dzona Dzeksona bb, 81000 Podgorica, Montenegro. E-mail: zoran.vratnica@ijzcg.me, phone: +382 (0) 20243 728
7. **Education:**

Institution [Date from - Date to]	Degree(s) or Diploma(s) obtained:
School of Medicine, University of Zagreb (1982-1988)	Doctor
School of Medicine, University of Belgrade (1991- 1994)	medical specialisation: microbiology and parasitology
Medical faculty in Belgrade (2001)	Intestinal parasitism in the regions of Montenegro - M.Sc.
Jozef Stefan International postgraduate school u Ljubljani, Slovenija (2009)	"Analysis of bacteria damages caused by treatment with oxygen plasma particles" - Ph.D.

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

9. **Membership of professional bodies:**

- President of Microbiology Society of Montenegro
- Delegate in Balkan Society for Microbiology
- Member of National Commission for HIV/AIDS
- WHO Focal Point for Influenza Surveillance
- EPI SOUTH Focal Point for Microbiology
- ECDC Advisory Forum Observer

- ECDC Focal Point for Microbiology

10. **Other skills:** (e.g. computer literacy, etc.)

11. **Present position:** Director of the Centre for Medical Microbiology IPH

12. **Name of institution/firm/organisation:** Institute for Public Health

13. **Years within the institution/firm/organisation:** 24

14. **Key qualifications:** (relevant to the assignment)

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

16. **Professional experience**

Date from - Date to	Location (Country)	Organisation / Company	Position	Description of responsibilities and activities
1989- 1990	Montenegro	Institute for Public Health	General practitioner in IPH	microbiology and parasitology
1990- 1994	Montenegro	Institute for Public Health	Training working period	microbiology and parasitology
1994- 1999	Montenegro	Institute for Public Health	doctor	medical microbiology
1999- 2002	Montenegro	Institute for Public Health	chief	Department of bacteriology, virology and parasitology
2002- 2005	Montenegro	Institute for Public Health	chief	Department for parasitology and mycology
2005-	Montenegro	Institute for Public Health	director	Centre for medical microbiology
2008- 2010	Montenegro	Institute for Public Health	acting head	Department for virology and serology
1999- 2007	Montenegro	Medical faculty in Podgorica	assistant professor	subject: Microbiology with parasitology (now Microbiology and immunology)
2010- 2012	Montenegro	Faculty of Pharmacy Podgorica	lecturer	subject: Immunology
2013-	Montenegro	Faculty of Pharmacy Podgorica	associate professor	subject: Immunology

17. **Other relevant information:** (e.g. publications, professional training)

18. **Professional qualifications (this section must be completed by Project leader and all key researchers who will be responsible for the main research activities related to CRDS grant):**

Selected publications

- Laušević D, Mugoša B, Terzić N, **Vratnica Z.**: HIV i rizična ponašanja među komercijalnim seksualnim radnicima u Crnoj Gori. *Institut za javno zdravlje, Podgorica* 2008. 40 str., ISBN 978-86-85557-10 1
- Laušević D, Mugoša B, **Vratnica Z.**, Terzić N, Strahinja R, Labović I.: Istrživanje o rizičnom ponašanju u vezi sa HIV/AIDS-om-seroprevalence HIV-a, HBV i HCV među intravenskim korisnicima droga u Crnoj Gori. *Institut za javno zdravlje, Podgorica* 2008. 35 str., ISBN 978-86-85557-12-5
- Laušević D, Mugoša B, **Vratnica Z.**, Terzić N, Labović I, Strahinja R.: Istrživanje o rizičnom ponašanju u vezi sa HIV/AIDS-om i seroprevalenci HIV infekcije među seksualnim radnicama u Crnoj Gori. *Institut za javno zdravlje, Podgorica* 2010. 47 str., ISBN 978-86-85557-23-1
- Cvelbar U, Vujošević D, **Vratnica Z** and Mozetič M.: The influence of substrate material on bacteria sterilization in an oxygen plasma glow discharge. *J. Phys. D: Appl. Phys.* 39: 3451- 3456; 2006. ISSN0022-3727
- Ciccozzi M, Vujosevic D, Lo Presti A, Mugosa B, **Vratnica Z.**, Alessia Lai, Lausevic D, Draskovic N, Marjanovic A, Cella E, Maria M. Santoro, Alteri C, Fabeni L, Ciotti M, Zehender G.: Genetic Diversity of HIV Type 1 in Montenegro. *AIDS Rresearch and Human Rretroviruses*, 27(00):1-4, 2011 *Mary Ann Liebert, Inc.* ISSN (Print) 0889-2229, ISSN (Online) 0889-2229
- Werber D, Lausevic D, Mugoša B, **Vratnica Z.**, Ivanović –Nikolić Lj, Žižić Lj, Alexandre-Bird A, Fiore L, Ruggeri F.M, Di Bartolio I.: Massive outbreak of viral gastroenteritis associated with consumption of municipal drinking water in a European capital city. *Epidemiology and Infection, Cambridge University Press* 137(12): 1713-1720, 2009; ISSN 0950-2688
- Vujošević D, **Vratnica, Z.**, Vesel A, Cvelbar U, Mozetič M, Drenik A, Mozetič T, Kljanšek Gunde M, Haumtman N.: Oxygen plasma sterilization of bacteria. *Mater. tehnol.* **40**, 227-232. 2006. ISSN1580-2949
- **Vratnica Z.**, Vujošević D, Cvelbar U, Mozetič M.: Degradation of bacteria by weakly ionized highly dissociated radio-frequency oxygen plasma. *IEEE Trans. Plasma Sci.* **36**, 1300, 2008. ISSN0093-3813
- Mozetič M, **Vratnica Z.**: Destruction of *Bacillus stearothermophilus* bacteria by weakly ionized low pressure cold oxygen plasma. *Vacuum, Elsevier* 85(12):1080-1082, 2011. ISSN0042-207X
- Zhender G, Sorentino C, Lai A, Erbanati A, Gabanelli E, Lo Presti A, Vujosevic D, Lausevic D, Terzic D, Shkjezi R, Bino S, **Vratnica Z.**, Mugosa B, Galli M, Ciccozzi M.: Reconstruction of the Evolutionary Dynamics of Hepatitis C Virus Subtypes in Montenegro and Balkan Region. *Infection, Genetics and Evolution*, 17: 223-230, 2013 *Elsevier B. V.* ISSN 1567-1348
- Baćak V, Laušević D, Mugoša B, **Vratnica Z.**, Terzić N.: Hepatitis C Virus Infection and Related Risk Factors among Injection Drug Users in Montenegro. *Eur Addict Res*, 19(2):68-73, *Karger*, 2013. DOI: 10.1159/000339840
- Labović I, Terzić N, Strahinja R, Mugoša B, Laušević D, **Vratnica Z.**: HIV - Related Knowledge, Attitudes and Sexual Risk Behaviours Among Montenegrin Youth. *Ser J Exp Clin Res*, **12(2)**:57-66, *Medical Faculty University of Kragujevac* 2011. ISSN 1820-8665
- Drenik A, Cvelbar U, Vesel A, Mozetič M, **Vratnica Z.**, Vujošević D.: Meritve gostote atomov v šibkoionizirani kisikovi plazmi vzdolž zaprte cevi. *Vakuumist*, **25,(1-2)**: 16-19; 2005. ISSN0351-9716

- **Vratnica Z**, Vujošević D, Bele M, Drenik A, Vesel A, Cvelbar U, Mozetič M.: Preiskave bakterij s sodobnim vrstičnim elektronskim mikroskopom. *Vakuumist*, **25,(1-2)**: 20-23; 2005. ISSN0351-971
- Vujošević D, **Vratnica Z**, Bujko M, Cvelbar U, Mozetič M. Sterilizacija plazmom-tehnologija budućnosti ili alternativa klasičnom postupku. *Medicinski zapisi* **59**:5-10; 2004. ISSN0419-7747
- **Vratnica Z**. Methodes of destruction of bacterial cell *Medicinski zapisi* **62**: 85-104; 2007. ISSN0419-7747
- Medenica S, Rakočević B, Mugoša B, Zeković Ž, **Vratnica Z**, Vujošević D. Registrovana obolijevanja od salmoneloza u Crnoj Gori u periodu 2003-2012. godine. *Medicinski zapisi* **62(Supp1)**: 75-76; 2013. ISSN0419-7747
- **Vratnica Z**, Eleršič K, Vesel A, Mozetič M. Characterisation of bacteria degradation in low pressure plasma by AFM and XPS methods. (invited talk) *18. International Scientific meeting on Vacuum Science and Technologies.-Abstract book*. str.25, Bohinjnsko jezero, 2011.

Selected projects

- Head of the Project BISLOGG “Exploring of the structure of microorganisms by advanced analytical techniques”
- Participant in Project BISLOGG 2004/05 “Sterilization of Microorganisms by Gas Plasma”
- Participant in Project BISLOGG 1 „Exploring of bacteria damages after interaction with gas plasma radicals”
- Participant in Project FP6 – 2005 – INCO WBC/SSA – 3 “Reinforcement of Serbian Centre for Parasitic Zoonoses”
- Participant in Project „Support to implementation of Strategy for fight against HIV/AIDS in Montenegro” GFTAM

Specialist Study Mentor for Microbiology, Faculty of Medicine, University of Belgrade

- dr Danijela Rajković - specijalizacija iz mikrobiologije sa parazitologijom
- dr Željka Zeković - specijalizacija iz mikrobiologije sa parazitologijom
- dr Ljubica Terić- specijalizacija iz mikrobiologije sa parazitologijom