

# CV



## Personal information

Surname(s) / First name(s) **Santrac Violeta**  
Address(es) 91, Zmaj Ognjenog Vuka, 78000, Banja Luka, **Bosnia and Herzegovina**  
Telephone(s) Mobile: 00 387 65 263 064  
Fax(es) +387 51 229 210  
E-mail(s) [violeta.santrac@virs-vb.com](mailto:violeta.santrac@virs-vb.com)  
[vsantrac@yahoo.com](mailto:vsantrac@yahoo.com)

Nationality(-ies) Bosnia and Herzegovina  
Date of birth 13.04.1967  
Gender Female

**Desired employment / Occupational field** **Doctor of science in veterinary medicine**  
**Work experience** Veterinary medicine

Dates	<b>November 1994 to now</b>
Occupation or position held	From 2021 <b>Head Assistant Centre for Animal Health and Food Safety</b> From 2017 -2021 Center for animal disease health protection Head of Clinical bacteriology, mycology and parasitology laboratory From 2016. Clinical microbiology, parasitology and mycology laboratory head From 2008. Virology and molecular diagnostic laboratory head From 1994 Different tasks in veterinary diagnostic labs
Main activities and responsibilities	<b>Consultation, Communication, Implementation, Education, Research, Analysis Diagnostic,</b>
Name and address of employer	Public veterinary Institute of Republic of Srpska "Dr Vaso Butozan" Banja Luka, Branka Radicevica 18, 78000, Banja Luka, Bosnia and Herzegovina
Type of business or sector	<b>Veterinary medicine, Animal health and public health, Public veterinary Institute</b> <b>May 1994- 2000- 2001-2019</b>

## Education and training

Dates	<b>2013</b>
Title of qualification awarded	<b>Doctor of science in veterinary medicine (Ph. D. M.Sc. D.V.M.)</b>
Principal subjects/Occupational skills covered	<i>Detections virus related infections in Apis mellifera population using molecular biology techniques</i> <b><u>Veterinary microbiology and infectious animal diseases</u></b>
Name and type of organisation providing education and training	University of Novi Sad, Faculty of Agriculture, Department for veterinary medicine, Novi Sad, <b>Republic of Serbia</b>
Level in national or international classification	<b>Dr Sc. (Ph. D) D.V.M.</b>
Dates	<b>1996-1998</b>
Title of qualification awarded	<i>Magister of science / Final thesis date 2004</i> <i>Postgraduate Study, Rabies Epidemiology</i>

Principal subjects/Occupational skills covered	<b><u>M.Sc. Preventive Veterinary medicine</u></b>
Name and type of organisation providing education and training	Veterinary Faculty, University Belgrade, Serbia, <b>Yugoslavia</b>
Level in national or international classification	<b>Magister of veterinary science (M.Sc), D.V.M.</b>
<b>Dates</b>	<b>1987-1994</b>
Title of qualification awarded	<i>Bachelor degree</i>
Principal subjects/Occupational skills covered	<b>Doctor of veterinary medicine</b>
Name and type of organisation providing education and training	Veterinary Faculty, University Belgrade, SR Serbia, <b>Yugoslavia</b>
Level in national or international classification	<b>D.V.M.</b>
<b>TRAININGS</b>	<p>27.9-30.9. <b>2021</b>; <b>BTSF EU</b>: TRAINING COURSE ON MONITORING AND CONTROL OF ZONOSSES AND ZONOTIC AGENTS Session 9 - <b>Virtual</b> - 27 to 30 September</p> <p>2.2.-14.2. <b>2020</b>, <i>Strengthening State Infrastructure for Food and Animal Food Control, and Protection of Animal Health</i> (BOH2016004 2018 (BOH5002), UN, <b>IAEA</b> Scientific visit, <u>Cornell University and Colorado State University, USA</u></p> <p>13-17 October, <b>2019</b> „<i>Introduction on mapping and modelling</i>” MediLabSecure project and Institut Pasteur of Algeria, <b>Algers</b></p> <p>31.8.- 4.9. <b>2019</b> <i>Training school on Big Data topic</i>, CHARME, Harmonising standardisation strategies to increase efficiency and competitiveness of European life-science research, <u>ACIBADEM UNIVERSITY, Istanbul, Turkey</u></p> <p>11.7.-12.7. <b>2019</b> <b>SECID</b> Table Top Simulation Exercise to Test Stoss-Border Collaboration and Country preparedness&gt;Human to Human Transmission of Avian Influenza, Tirana, <b>Albania</b></p> <p>19.06. 2.06. <b>2019</b> 25TH ANNUAL MEETING OF THE NATIONAL REFERENCE LABORATORIES FOR AVIAN INFLUENZA AND NEWCASTLE DISEASE OF EUROPEAN UNION MEMBER STATES 2019 Padova; <b>Italy</b></p> <p><b>10.04.-12.04. 2017</b>.IAEA Consultants meeting, <i>Advanced Diagnostic Technologies for Detection and Differentiation of Animal and Zoonotic Diseases</i>”, Vienna International Centre, <b>Austria</b></p> <p>06.03.- 10.03.<b>2017</b>. <i>EUROPEAN BEE COURSE 2017.</i>,<b>COST-TS-ECOST-TRAINING_SCHOOL-FA1307-060317-081966</b>. Cyprus University of Technology Limasol, <b>Cyprus</b></p> <p>21.-25.11. <b>2016</b>. <b>IAEA_RER9137/9003/01</b> Meeting on <i>Advanced Diagnosis and Control of Emerging Transboundary Animal Diseases, with Emphasis on Lumpy Skin Disease</i>_, Viena, <b>Austria</b></p> <p>15-17.11. <b>2016</b>. <b>MediLabSecure</b> _Regional Meeting &amp; Technical Workshop on Public Health (www.medilabsecure.com) Belgrade, <b>Serbia</b></p> <p>15-19. August <b>2016</b>. IAEA: C7-RER-9.137-001 Regional Training Course on the “Nuclear and Nuclear Related Techniques for Early and Rapid <i>Detection and Confirmation of Pox Virus Infections in Animals,</i>” Animal Production and Health Laboratory, Seibersdorf, <b>Austria</b></p> <p>21.-22. 06. <b>2016</b> COST Action: CA15110: <i>Harmonizing standardization strategies to increase efficiency and competitiveness of European life-science research</i> (<b>CHARME</b>), CHARME Kick off conference, Warsaw, <b>Poland</b></p>

15-18 April **2015** COST Action FA1307 Workshop on RNAi methods: “*RNAi and Health of bees*” Faculty of Bioscience Engineering of the Ghent University, Ghent, Belgium.

02.- 06. March **2015** **COST Action** FA1307 TRAINING\_SCHOOL *Methods for Pathogen Detection in non-Apis pollinators*; Martin-Luther-University Halle-Wittenberg-**Germany**

13. - 26. October **2013**; IAEA/2013, *Brucellosis control*; Laboratoire de Santé animale - *Animal Health Laboratory*, Agence Nationale de Sécurité Sanitaire de l'alimentation, de l'environnement et du travail, *French Agency for Food, Environmental & Occupational Health Safety (ANSES)*, Maisons-Alfort Cedex - **France**

8- 19. October, **2012**: IAEA/RER/5/016 “Regional Training Course on Early and Rapid Nuclear and Nuclear-Related Diagnostic and Tracing Technologies for West Nile Fever, Hepatitis E and Equine Infectious Anaemia”, Izmir, **Turkey**,

21.-25 May, **2012**, IAEA C7-RER-5.016-001 Regional Training Course on Early and Rapid Nuclear-Related Diagnostic and Tracing Technologies for African and Classical Swine Fever, Scibersdorf, **Austria**,

October **2008**, Bee Institute Celle, Bee disease control: AFB, **Germany**

09-20. July **2007**, Twining Project: Exchange of best practice in German Labs RIEMS, Fridrich Loeffler Institute, Germany

September **2006**, Visiting researcher USDA, BEE RESEARCH LAB, Beltsville, Maryland **USA**

**13 - 24 September 2004, International Foreign Animal Disease Diagnostic Course (IFADD5) Plum Island, New York, USA**

3.May-7.May **2004** , Training of trainers, Instituto Zooprofilattico dell Abruzzo e del Molise "G.Caporale", Teramo, **Italy**

17.-24. November **2003**, GTZ: Diagnostic education WHO collaborating Centre for Rabies Wusterhausen, Germany

14.-18. April **2003**, IAEA Co-ordination Meeting on Regional Control of Brucellosis in Sheep and Goats, Skopje, **Rep. Macedonia**

12. June-6. July **2002**, USDA Cochran Fellowship Program, Vet Diagnostics Program Animal Population Health Institute, Colorado State University, Fort Collins, **USA**

22.-26. April **2002** FAO-UN: Workshop on disease recognition and contingency planning Ankara , **Turkey**

11.–15. March 2002, FAO-UN Epidemiology training workshop Institute of Veterinary Research Tirana **Albania**

**19.–23. Oct. 1999, Phare, Surveillance program: Institute for Animal Science and Health (ID-DLO ) Lelystad, The Netherlands**

31. May -15. Jun **1999**, Phare Surveillance program Institute for Animal Science and Health (ID-DLO) Lelystad **The Netherland**

13. Feb.-12. March **1999**, Phare: Poultry disease, Institut Fur Geflugelkrankheiten, Giessen, **Germany**

## Personal skills and competences

Mother tongue(s)

**Serbo Croatian**

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/ Curriculum vitae of

Sumame(s) First name(s)

Other language(s)

Self-assessment

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	

**ENGLISH**

**RUSSIAN**

Proficient user	Proficient user	Proficient user	Proficient user	Proficient user
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Social skills and competences

Creativity. Power of mass communication and network collaboration. Ability to work in a team, Strong attraction for new solutions in work and research interests. Legitimate. Knowledge sharing.

*Continuous Professional and Social Development*

Networking and connections with national and **international agencies** dealing with disease management **FAO, USDA, ECDC, CDC, SECID, IAEA**

Organisational skills and competences

*Responsible Conduct of Science, Personal Effectiveness*

**Successful Leadership and Project Management can be seen below**

1. Project partner for national grant APCU with **USDA\_2006**
2. National Team leader for Project: SEERA NET, **EU FP6\_2007**
3. National representative (MC) **EU COST ACTION FA0803 COLOSS\_2008**
4. National representative (MC) **Farm animal Proteomics\_2010** **EU COST ACTION FA1002**
5. **SCOPES** grant participant from the **Swiss National Fund\_ The 4 th** Congres of European Microbiologist **2011**
6. National representative (MC) **EU COST ACTION FA1307 SUPER BEE\_2014**
7. Representative: **Danube Region Project Fund: BEE = Biodiversity\_2015**
8. Representative: **MediLab Secure EU ComisionDEVCO:IFS/21010/23/\_194)\_2015**
9. **Scientific coordinator:VectorNet:** European Food Safety Authority (EFSA) and the European Centre for Disease Prevention and Control (ECDC) **\_2015**
10. National representative (MC) **EU COST ACTION CA15110: Harmonizing standardization strategies to increase efficiency and competitiveness of European life-science research (CHARME) 2016**
11. Coordinator: Project of MINISTRY OF SCIENCE AND TECHNOLOGY OF THE REPUBLIC OF SRPSKA,“*Sustainable pollination service of horticultural plants in the Republic of Srpska: species inventory, management and biological risk factors*“, **2019**

Technical skills and competences

**Research Skills** and Knowledge in different area of Life Science in Lab and Field conditions

Clear Communication, work in network

Risk communication

Teaching and training. Lecturer for veterinarians and beekeepers in area of Apiculture, Animal health and infectious disease

**Work in outbreak areas different biological risk levels**

Laboratory diagnostic work for general and sophisticated approach: Strong experience Virology, Strong experience in Bacteriology, God Parasitology knowledge, Competent background in molecular biology,

ONE HEALTH

**Disease Surveillance program design and One health approach**

Basic Data management

Standard ISO 17025 implementation

Science communication

Computer skills and competences

Good working knowledge of Microsoft 2016 and Adobe word processing, spreadsheet, database, presentation, graphics and desktop publishing software.  
Internet research, Data mining  
Basic Mapping and modelling knowledge  
Some skills in Bioinformatics

Other skills and competences

Networking with national and **international health agencies** dealing with disease management  
**FAO, USDA, IAEA, ECDC, CDC, SECID,**  
Voluntary work in beekeeping sector on international level  
Social influencer for ecology issues  
*Training of trainers' skills*  
*Top table panel discussions trainee*  
Beekeeping skills:  
Outdoor sports enthusiasts

Driving licence(s)

B1, B, BE

Additional information

**Relevant Publications**

- Santrac Violeta, Rujevic Dragana, Mitrovic Aleksandra, **ANTIMICROBIAL DISK SUSCEPTIBILITY TESTING OF PAENIBACILLUS LARVAE ISOLATES FROM BOSNIA AND HERZEGOVINA FOR ANTIMICROBIAL RESISTANCE STATUS UNDER ONE HEALTH APPROACH**, EurBee 9, *9th European Congress of Apidology*, 20-22 September 2022 Belgrade, Serbia, Abstract Book pg.146.
- Violeta Santrac. **"Homo sapiens against Paenibacillus larvae: Global Beekeeping and "Worst-Case Scenarios" Play"**. EC Veterinary Science 7.5 (2022): 49-53
- Violeta Santrac, Ivona Subic, Slobodanka Delic, Biljana Lolic, Petar Nikolic, **FIRST FINDINGS OF ABPV, CBPV VIRUS GENOME IN BOMBUS TERRESTRIS IN BOSNIA AND HERZEGOVINA (BUMBLEBEES, HONEY BEES, VIRUSES, VETERINARY MEDICINE, RISKS, OPPORTUNITIES)** 27th Annual Counselling of Doctors of Veterinary Medicine of Republic of Srpska (Bosnia and Hercegovina) – 2022, Trebinje, Grad Sunca, June, 15–18, 2022., Proceedings and short content, pg.119.
- Violeta Santrac, Petar Nikolic, Biljana Lolic **FIVE DIFFERENT VIRUS GENOM DETECTION ON DOMESTIC AND WILD POLLINATORS FROM BOSNIA AND HERZEGOVINA USING MOLECULAR METHODS**, Book of abstracts and full papers from sixth congress of beekeeping and bee products-*with international participation*-Beekeeping and bee products, Year 6, No1 (2021) Abstract pg.-72.; 2021
- Violeta Santrac, Sara Petrin, Alessia Tiengo, Marta Leati, Massimiliano Orsini, Veronica Cibin, **SALMONELLA ENTERICA SUBSP. DIARIZONAE FROM CLINICAL MATERIAL OF BADGER, MELES MELES, FROM BOSNIA AND HERCEGOVINA: PHENOTYPIC AND MOLECULAR CHARACTERIZATION** 25th Annual Counselling of Doctors of Veterinary Medicine of Republic of Srpska (Bosnia and Hercegovina), International Scientific Meeting, Teslić, Banja Vrućica, July, 08th–11th, 2020.
- V. Santrac, D. Cvokic P. Kvolik, D. Rujevic, **Mass measurement of single Varroa destructor: what that can tell us more\_**, 46th APIMONDIA - International Apicultural Congress, Montréal, 8-12 September, 2019. Québec Canada, Abstract book, page 205, P.15.344
- Violeta Santrac, „**Vitality versus pathogen load in the hive and diagnostic need**”? 24th Annual Counselling of Doctors of Veterinary Medicine of Republic of Srpska (Bosnia and

Herzegovina), International Scientific Meeting, Ethno Village Stanišići, June, 12th–15th, 2019  
Republika Srpska, Bosnia and Herzegovina, Abstract page. 88.

- Violeta Santrac, Anna Granato, Mauro Caldon, Ivana Tlak Gajger, Predrag Jankovic & Franco Mutinelli (2018) ***Nosema spp. and Paenibacillus larvae were not Detected in Historical Honey Samples (1962–2009) From Bosnia and Herzegovina***, Bee World, 95:4, 130-132, DOI: [10.1080/0005772X.2018.1522756](https://doi.org/10.1080/0005772X.2018.1522756)
- Violeta Santrac, Marica Lugovski, Barbara Zdajsek, Andrej Rojnik, Sonja Nikolic, Oliver Stevanovic, Drago Nedic, Zeljko Sladojevic ***"MALDI TOF mass spectrometry in the evidence to bacterial isolates Salmonella sp., Campylobacter sp., Paenibacillus sp.- new laboratory technology and needed confirmation possibility"***, 2018; Conference: 23rd Counselling of Doctors of Veterinary Medicine of Republic of Srpska Teslić, Banja Vrućica, Republika Srpska, Bosnia and Herzegovina, page 63.
- Stevanović, I Trbojević, S Nikolić, V Santrač, ***The first reported case of advanced aelurostrongylosis in Eurasian badger (Meles meles, L. 1758) in Bosnia and Herzegovina: histopathological and parasitological findings***, Parasitology Research, September 2018, Volume 117, Issue 9, pp 3029–303
- Violeta Santrac: **Lumpy skin disease: Report from workshop on advanced diagnosis and control of emerging transboundary animal diseases, with emphasis on lumpy skin disease (IAEA RER9137/9003/01), The 22<sup>nd</sup> Annual Counselling of Doctors of Veterinary Medicine of Republic of Srpska** (Bosnia and Herzegovina) with International Participation. 19-20, Teslic, June 7<sup>th</sup> – 10<sup>th</sup> 2017
- Sonja Nikolic, Teufik Goletic, Jelena Maric, Zeljko Sladojevic, Dragan Kasagic, Violeta Santrac, Drago N. Nedic, Oliver Stevanovic (2017): **First Case of Highly Pathogenic Avian Influenza H5N8 in Republic of Srpska – Bosnia and Herzegovina**. Book of Abstracts, *The 22<sup>nd</sup> Annual Counselling of Doctors of Veterinary Medicine of Republic of Srpska* (Bosnia and Herzegovina) with International Participation. 23-24, Teslic, June 7<sup>th</sup> – 10<sup>th</sup>, 2017
- Violeta Santrac, Oliver Stevanovic, Sonja Nikolic, Drago N. Nedic **CLINICAL VETERINARY BACTERIOLOGY AS REFERENCE FOR FINDING PAENIBACILLUS LARVAE IN APIARIES**, 44th APIMONDIA International Apicultural Congress 2015, September 15-19. Daejeon, Korea, Scientific Program Abstracts, Pg. 189
- Violeta Santrac · Drago N Nedic · Jelena Maric · Sonja Nikolic · Oliver Stevanovic · Sasa Vasilev · Jelena Cvetkovic · Ljiljana Sofronic-Milosavljevic ***The first report of Trichinella pseudospiralis presence in domestic swine and T. britovi in wild boar in Bosnia and Herzegovina***, ACTA PARASITOLOGICA 60(3):471-475 · MAY 2015, DOI: [10.1515/ap-2015-0066](https://doi.org/10.1515/ap-2015-0066)
- Violeta Santrac, Biljana Pecanac, Radivoje Maksimovic, Zlatko Tomljanovic, Dennis vanEngelsdorp: ***Feeding sugar syrup and sugar candies with high levels of HMF (Hydroxymethylfurfural) is bad for honey bee vitality***; Sixth European conference of Apidology, Murcia, 9-11. September 2014, Spain, Book of abstracts, pg. 130
- Zlatko Tomljanovic, Ivana Tlak Gajge Violeta Santrac: **Good veterinary practice in apiary**, Bayer animal health, Zagreb 2012, ISBN978-953-57029-0-0
- Romée van der Zee at all: Violeta Santrac<sup>16</sup> **Results of international standardised beekeeper surveys of colony losses for winter 2012-2013: analysis of winter loss rates and mixed effects modelling of risk factors for winter loss** - Journal of Apicultural research Vol. 53 (1) pp. 19-34 (2014) [10.3896/IBRA.1.53.1.02](https://doi.org/10.3896/IBRA.1.53.1.02)
- Violeta Santrac, Zlatko Tomljanovic, Ivana Tlak Gajger, Radivoje Maksimovic: **Good veterinary practice and epidemiology of bee decline** ;Scientific program, XXXXIII International Apicultural Congress, 29 September -04 October 2013, Bee health symposium 2; pg. 178, Kyev, Ukraine

- Romée van der Zee et al: [Violeta Santrac<sup>24</sup>](#) ) **Managed honey bee colony losses in Canada, China, Europe, Israel and Turkey, for the winters of 2008-9 and 2009-10**, - Journal of Apicultural research 51 (1): 100-114. (2012) DOI 10.3896/IBRA.1.51.1.12
- Santrac Violeta, **AFB and FFB - early detection bee brood disease, monitoring survey 2010 in Republic of Srpska, BiH**; *Mellifera* 2011, Vol. 11, 21/22, 34-35.
- Tomljanovic Z., [Santrac Violeta](#) **Good veterinary practice in apiary - Guidelines for future**, Global Conference on Entomology (GCE) 2011, March 5-9, 2011, Chiang Mai, Thailand, Book of abstracts, pg. 171.
- [Violeta Santrac](#), Tomljanovic Zlatko, **Can we think differently talking about European foulbroad causalities?** Proceedings of the 4th European Conference of Apidology, 7-9. September 2010, Ankara, Turkey, Pg .73-74
- [Santrac Violeta](#), Granato, Anna, Mutinelli, Franco **Detection of Nosema ceranae in Apis mellifera from Bosnia and Herzegovina, 2010**: Journal of Apicultural research and Bee World 49 (1): 100-101. DOI: 10.3896/IBRA.1.49.1.16
- N Johnson et al, [Santrac V<sup>10</sup>](#) **Epidemiology of rabies in Southeast Europe. Developments in biologicals** 01/2008; 131:189-98.
- [Santrac Violeta](#) **Results of first active survey on health status in selection centers of Apis mellifera of Republic of Srpska, Bosnia and Herzegovina**, Veterinary Journal of Republic of Srpska 2007 8, 190-195
- [Violeta Santrac](#) Jelena Maric, Zoran Kovacevic, Gordana Rokvic, Radivoje Maksimovic, Goran Mirjanic, **Active survey on health status in queen rearing centres Apis mellifera in Republic of Serpska, Bosnia and Herzegovina, West Balkan Region, Apimondia 2007**, «Beekiping Down Under» 9-14 September, Book of Abstracts pg.117, Melbourne, Australia,
- Maric Jelena ,[Santrac Violeta](#) ,Babic Radovan, Kubelka Drago, Despotovic Darko: **Seroprevalence of the infectious bovine rhinotracheitis in Republic of Srpska, Infection with Bovine Herpesvirus type 1 (IBR/IPV)**,pg. 127-134; CORBIS.SR-ID 222603015 2007
- S. Golubovic, T. Roganovic, J. Maric, V. [Santrac](#) **Human brucellosis in Republic of Serpska-bosnia and Herzegovina** 12th International Congress on Infectious Diseases, Lisbon, Portugal, June 2006 Abstracts, International Scientific Exchange
- Kubelka D, Šarirc M., Marić Jelena, [Santrač Violeta](#), Nikolić Sonja, Despotovic D., Bjelajac B.: **Bruceloza ovaca i koza-test za veterinarsku zdravstvenu službu**, Veterinarski žurnal Republike Srpske, 2003, Vol 3, Br.1 5-6;(on Serbian)
- [Santrač Violeta](#), Marić Jelena, Despotović D., Nikolić Sonja, Kubelka D., **Bruceloza ovaca i koza na području jugoistočne Evrope 2002, sa osvrtom na situaciju u Republici Srpskoj**, Veterinarski žurnal Republike Srpske, , Vol 3, 7-13;(on Serbian) 2003